



Accreditation Framework

2022 Edition

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EXPLANATORY STATEMENT

Acknowledgement

The Australian Council for Clinical Physiologists (ACCP) Accreditation Framework (the Framework) has been adapted from the Clinical Physiologists Registration Board (CPRB, New Zealand) and the Registration Council for Clinical Physiologists (RCCP, UK) documentation, along with discipline-specific advice from the ACCP affiliated Professional Associations in Australia.

Purpose and Strategic Driver

The strategic driver of the Framework is to ensure a capable and qualified Clinical Physiology workforce which underpins the delivery of safe, high-quality healthcare to consumers within our defined scope of practice. The Framework will undergo regular review to align with evolving practice demands on Clinical Physiologists within Australia.

The prescribed requirements of the [National Safety and Quality Health Service Standards](#) and the recommended terms for the National Code of Conduct for Health Care Workers (which is implemented by each state and territory independently) will inform the approach to assessing the ongoing currency of the Framework.

The National Safety and Quality Health Service Standards (NSQHSS) are designed to protect the public from harm and improve the quality of health service provision. They are a quality assurance mechanism to ensure relevant systems are in place to meet expected quality and safety standards for consumers when receiving healthcare.

NSQHSS Standard 1 – Clinical Governance:

Clinicians and managers have individual and collective responsibilities for ensuring the safety and quality of clinical care. This standard ensures the community and Health service organisations can be confident that systems are in place to deliver safe and high-quality health care as well as continuously improving services. It will ensure that all staff are accountable to patients and the community for assuring the delivery of safe, effective, integrated, high quality, innovative healthcare.

As Credentialing is seen as part of Clinical Governance, the Framework will be used to verify the qualifications and experience of a qualified Clinical Physiologist to determine their ability to provide safe, high quality health care within a specific clinical setting and role. The primary aim will be to ensure the safety of patients; ensuring clinicians practice within their defined scope and recognised competency to mitigate risk and protect patients.

ACCP Accreditation Framework

The Framework comprises of:

1. Scope of Practice – outlines the required qualifications, and breadth and depth of applied knowledge, skills and attributes to perform the role/s of a Clinical Physiologist in Australia.

2. Competency standards – outlines the domains of practice and expected competencies within each domain of ACP level 1 and level 2 accreditation for each profession.

- Level 1 ACPs are early career professionals, while level 2 practitioners will have demonstrated further experience and expert knowledge in their discipline/s.
- ACP level 1 and 2 practitioners will be held accountable for all domains, corresponding with their level of knowledge and experience.

3. Continuing Professional Development (CPD) requirements – CPD in the ACCP context is the maintenance, extension and enhancement of knowledge and skills to practice within a Clinical Physiologist's defined scope through recognised formal and informal learning activities. ACPs will be required to attain 20 CPD points per annum by various means to meet accreditation requirements. CPD requirements are outlined in section 3.

Stakeholders and Consumer Engagement

Stakeholders in the context of this accreditation framework are:

- ACCP registrants
- Affiliated ACCP professional associations – Australian and New Zealand Sleep Science Association (ANZSSA), Association of Neurophysiology Scientists of Australia (ANSA) Inc., Australian and New Zealand Society of Respiratory Science (ANZSRS), Professionals in Cardiac Science of Australia (PiCSA)
- State and Territory Chief Allied Health Officers or equivalent
- Consumers - for which this framework is designed to protect.

Stakeholders were consulted throughout the development of this document. The ACCP has an interest in progressing changes to the Framework over time which will improve it for all stakeholders, while prioritising the integrity and probity of the Framework as an ACCP operated program.

SECTION 1: ACCREDITED CLINICAL PHYSIOLOGIST SCOPE OF PRACTICE

The role of an Accredited Clinical Physiologist

1. Clinical Physiologists work closely with related Medical Specialists, Nurse Practitioners and Surgeons, providing diagnostic and therapeutic services to all specialties. They can be found in primary, secondary and tertiary healthcare centres treating patients from varying populations, from neonatal to end of life care.
2. Teaching and training are a large part of a Clinical Physiologist's responsibilities and are actively encouraged by the professional associations. Besides teaching those undertaking healthcare and science degrees, they support a range of multidisciplinary professionals engaged in all aspects of patient care.
3. Clinical Physiologists are engaged in research and development: They can be involved with all aspects ranging from providing advice, proposing and contributing to clinical research, preparing ethics applications, submitting conference abstracts (for oral or poster presentation), journal submissions, as well as assisting with and performing diagnostic and interventional procedures that form part of research activities.

Scope of Accredited Clinical Physiologist Practice (SoP)

1. The area or areas of the Physiologist's profession in which they have the knowledge, skills and experience to practice safely and effectively, in a way that meets professional standards and does not pose any danger to the public or to themselves.
2. Given the varied nature of practice within the four affiliated disciplines, the ACP SoP cannot be defined as a simple list of tasks or procedures. As such the ACCP have chosen to use a broad, principle-based SoP to best include the distinct differences and variation in practice.
3. Further descriptions and particulars within these domains are outlined in the competency standards for each discipline.

Level of Education

1. To be recognised as an ACP, registrants must have undertaken relevant university programs (i.e., those endorsed by the respective professional associations) of study in the areas of physiology, medical or biomedical science or equivalent, which may include extensive practicum experience in the clinical setting.
2. To gain accreditation with the ACCP, applicants must submit required documentation for assessment of requisite knowledge, skills and experience to the ACCP Board.
3. The ACCP acknowledges that ACPs themselves, as well as managers and employers all have a joint responsibility in ensuring that ACPs practice within the limits of their knowledge, skills and experience. ACPs should take advantage of training and education opportunities.

Code of Conduct and Professional Practice

1. ACPs must practice in accordance with the ACCP's code of professional practice, as well as established standards through State and National legislation and law.

Limited and Extended Scope of Practice

1. Limited SoP will relate to level 1 ACPs (early career professionals); those who are still developing skill sets according to the ACCP competency framework.
2. Extended SoP is a discrete knowledge and/or skill base additional to the recognised scope of practice of a profession/discipline and/or regulatory context of a particular profession or discipline. These tasks are usually undertaken by other professions; however, over time, expanded SoP may become part of a profession's full SoP. Expanded SoP may include activities where there is a clear benefit to patient care, and where it allows more efficient management and care of the patient. The ACCP supports the recognition of expanded scope activities within its credentialing framework; the ACP must have successfully completed recognised professional

development, along with any professional certification as laid down by the relevant professional association and/or health authority and where the activities are clearly defined and recognised. As an example, The Allied Health Expanded Scope Strategy (QLD Health) 2016-2021 describes extending scope of practice to include tasks that fall outside of the recognised scope of that profession and under the right circumstances, delegating specific tasks related to patient care to support the workforce to enable full and extended scope of practice.

Continuing Professional Development

1. To ensure up to date knowledge, skills and experience, ACPs are required to maintain, enhance and extend their skills and knowledge by participating in annual reaccreditation with the ACCP. ACPs are required to participate in ongoing education within their discipline or specialty for which they are accredited to practice and maintain role-specific life support training/certification.

SECTION 2: COMPETENCY-BASED PROFESSION STANDARDS

Competence is an individual's ability to effectively apply all their knowledge, understanding, skills and values within their designated scope of practice. Competence is observed when a Clinical Physiologist effectively provides services, acts professionally and ethically, and reflects critically on their practice.

The main purpose of these standards is to **define the minimum skill level and areas of competence the public has a right to expect** of a Clinical Physiologist.

This document sets out ACCP's Competency-Based Profession Standards (the Standards) – **the minimum skills, knowledge base and professional standards** required for practice in Clinical Physiology within Australia.

The Standards focus on seven overarching areas or Domains of Practice that outline the professional skills, behaviours and abilities Clinical Physiologists should demonstrate to practice safely and ethically within their role, with each of these Domains supported by several practice behaviours that address core competencies related to each Discipline.

It is anticipated that higher level(s) may be added in future and so some disciplines have structured requirements for levels 1 and 2 accordingly. Level 1 ACPs are generally early career professionals (i.e., entry-level practitioners) with less than 2 years' experience. This is intentional to facilitate accreditation of new and early career professionals as Level 1 to establish a culture of continuing education and recognition as a career-long journey. Level 2 practitioners will have demonstrated further experience and expert knowledge in their discipline/s, and as a minimum, be considered competent to work independently in the accredited role(s) (i.e., not a trainee requiring close supervision). ACCP level 1 and 2 practitioners will be held accountable for all domains, corresponding with their level of knowledge and experience.

Additional purposes of the Standards include:

1. informing employers and registrants of the range and standard of practice expected of a competent Accredited Clinical Physiology workforce
2. informing institutions responsible for the education of Clinical Physiologists of the competency required at entry-level
3. informing government and policy makers of the range and standard of practice of Clinical Physiologists in Australia

Table 1: Domains of Practice

DOMAIN	EXPECTATIONS
Scientific	Application and understanding of scientific principles and methods to current experience level.
Clinical	Demonstrated ability of contribution to patient care.
Technical	Demonstrated relevant skills in the modality or area of specialisation.
Research	Demonstrated training in research methodology/practices.
Communication	Demonstrated ability to appropriately engage (written and verbal) with colleagues, peers and patients.
Problem Solving	Demonstrated skills in dealing with unexpected situations/scenarios (clinical and non-clinical).
Management / Leadership	Understand and apply the fundamental aspects of staff, financial, leadership and asset management relevant to the health service.

SECTION 2.1: DISCIPLINE-SPECIFIC COMPETENCIES REQUIRED FOR ACCREDITATION

2.1A: Cardiac

2.1B: Neurophysiology

2.1C: Respiratory

2.1D: Sleep



SECTION 2.1A:

Cardiac

2.1A: Cardiac

SCIENTIFIC - CARDIAC

Application and understanding of scientific methods to current experience level

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- understanding of the science that underpins the speciality (modality) and the broader aspects of medicine and clinical practice
- demonstrating a strong base of knowledge appropriate to the speciality and to the investigations and therapeutic options available
- experience of searching for knowledge, critical appraisal of information and integration into the knowledge base
- ability to identify the clinical decision which the test/intervention/procedure will inform
- ability to make judgements on the effectiveness of procedures
- application of the knowledge base to the speciality (modality) and to the range of procedures/investigations available

SPECIFIC COMPETENCIES

- understanding of the principles of the techniques and investigative procedures undertaken within the discipline of cardiac physiology and in cardiac medicine
- ability to advise on the choice of appropriate investigative and therapeutic procedures based on the clinical condition and presenting symptoms of the patient and the results of previous investigations where appropriate
- familiarity with the evidence for and limitations of common investigative and therapeutic procedures relevant to cardiac physiology, used in the diagnosis and management of patients
- familiarity with the basic knowledge of related disciplines in order to be able to integrate relevant results into an overall interpretation of the clinical condition
- ability to quantify physiological data for normal and disease-related populations
- ability to bestow upon trainee physiologists in a clear and systematic manner the scientific principles that underpin cardiac physiology

2.1A: Cardiac

Achievement of:

- an understanding of the principles, applications and limitations of the physiological measurement and diagnostic techniques employed in the practice of their specific modality or discipline
- a detailed understanding of the application of different investigative, diagnostic and therapeutic procedures in the assessment of the relevant physiological system and the ability to recognise the necessity for performing specific test procedures where clinically appropriate
- a critical understanding of the integration and interpretation of the results of specific investigative parameters in clinical physiology with other diagnostic modalities in the overall assessment of the patient

Achieved through:

- completion of a relevant undergraduate qualification as per Step 1 of PICSA's Cardiac Physiologist entry pathway guideline.
- enrolment (Level 1 ACP) or completion (Level 2 ACP) in/of a discipline specific post-graduate qualification including an ASAR accredited cardiac ultrasound course, or an IBHRE/BHRS/EHRA/CEPIA certified examination in electrophysiology and/or cardiac devices.
- participation in a recognised formal training element, as per point 1 and 2, with appropriate practical training and assessment programmes conducted by specialist societies e.g., (PicSA cardiac catheterization competency).
- continued self-endeavour (e.g., literature research and critical appraisal) under supervision of an accredited Clinical Physiologist in cardiac physiology.

2.1A: Cardiac

CLINICAL - CARDIAC

Demonstrated ability of contribution to patient care

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- ability to provide interpretation of data and a diagnostic (therapeutic) opinion, including any further action to be taken by the individual directly responsible for the care of the patient
- understanding of the wider clinical situation relevant to the patients presenting to his/her speciality
- ability to understand and appropriately process referrals based on urgency criteria
- ability to develop/devise an investigation strategy taking into account the complete clinical picture
- ability to appropriately identify patients and obtain informed consent
- understanding of the clinical applications of his/her speciality and the consequences of decisions made upon his/her actions/advice
- awareness of the evidence base that underpins the use of the procedures employed by the service

SPECIFIC COMPETENCIES

- understanding of the normal functioning of the cardiac system and of the human body as a whole, as a foundation for the understanding of different disease processes that may be encountered within the discipline
- understanding of the underlying mechanisms of the pathophysiology of cardiac disease and the impact that systemic diseases may have on the functioning of the cardiac system
- ability to recognise changes in relevant signs, symptoms and test results and relate them to the underlying pathology of specific diseases and conditions associated with the cardiac system
- ability to recognise significant changes in relevant signs, symptoms and test results and understand the effects of diagnostic or therapeutic procedures in order to interpret any changes in the clinical condition
- complies with relevant organisational and modality-specific protocols, policies and procedures
- ability to contribute to the monitoring and ongoing management of patients with cardiac disease
- ability to demonstrate clinical knowledge in order to be able to communicate effectively with clinical and other professional colleagues within the working environment

2.1A: Cardiac

Achievement of:

- an understanding of the normal anatomy and physiology of the relevant physiological system and the effects of different disease processes on the functioning of the system as a whole

- an understanding of the mode of action and efficacy of different therapies (both pharmacological and non-pharmacological) and the mechanisms by which they may modulate disease processes in clinical medicine

- an understanding of the methods by which different investigative procedures may be utilised in order to achieve an appropriate clinical interpretation and assessment of the clinical condition

Achieved through:

- completion of a relevant undergraduate qualification as per Step 1 of PICSA's Cardiac Physiologist entry pathway guideline.

- enrolment (Level 1 ACP) or completion (Level 2 ACP) in/of a discipline specific post-graduate qualification including an ASAR accredited cardiac ultrasound course, or an IBHRE/BHRS/EHRA/CEPIA certified examination in electrophysiology and/or cardiac devices.

- participation in a recognised formal training element, as per point 1 and 2, with appropriate practical training and assessment programmes conducted by specialist societies (e.g., PICSA cardiac catheterization competency).

- participation in departmental seminars and clinical meetings, audit and clinical report evaluation

- continued self-endeavour (e.g., literature research and critical appraisal) under supervision of an accredited Clinical Physiologist in cardiac physiology

2.1A: Cardiac

TECHNICAL - CARDIAC

Demonstrated relevant skills in the modality or area of specialisation

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- understanding of the principles associated with a range of tests/techniques employed in the speciality
- knowledge of the standards of practice expected from these tests/techniques
- experience of performing these tests/techniques

SPECIFIC COMPETENCIES

- detailed understanding of investigative techniques and therapeutic procedures used in cardiac physiology with a knowledge of test protocols and recognised national/international standards of practice
- an understanding of the various types of artifact/suboptimal recordings that may be occurring and their causes
- competency (or able to provide proof of approved training) to perform, interpret and report on the findings of investigative and therapeutic investigations in cardiac physiology (including but not limited to lists below) using a variety of techniques in a range of patients across the spectrum of disease severity
 - *Core techniques and procedures (adult +/- paediatric): Electrocardiography (ECGs), Holter Monitor, event recorder and blood pressure monitoring fitting and analysis, exercise testing (application and interpretation), cardiac catheterisation (diagnostic and interventional procedures including transducer set-up and calibration/equalisation and right heart studies), cardiac devices follow-up (face to face and remote monitoring), echocardiography (as per ASE comprehensive TTE guidelines) and electrophysiology studies (including diagnostic, catheter and surgical RF/Cryoablation).*
 - *Additional techniques and procedures: tilt table testing; cardiac output measurement (including thermodilution, oxygen uptake, haemoximetry), intra-aortic balloon pumping, intravascular ultrasound, pressure wire studies; temporary pacing; exercise testing (physiologist supervised)*

2.1A: Cardiac

<ul style="list-style-type: none">• knowledge of data storage and retrieval specific to each specialty• understanding of the safe operation of profession specific equipment• the ability to solve problems that might arise during the routine application of these tests/ techniques (troubleshooting)• understanding and complying with the concepts of clinical ethical considerations• understanding of the principles of quality control and quality assurance• experience of the use of quality control and quality assurance techniques including restorative action when performance deteriorates

<ul style="list-style-type: none">• <i>Advanced techniques and procedures: electrophysiological study 3D electroanatomical mapping; echocardiography 3D/4D imaging and quantification, strain, exercise and dobutamine stress echo; cardiac device troubleshooting and reprogramming for device optimisation and physiologist led programming for implantation</i>

2.1A: Cardiac

Achievement of:

- an ability to perform a range of investigative tests/techniques and therapeutic procedures the relevant discipline to the required standards of an operational protocol as defined for the purposes of laboratory accreditation or under the guidance of the recognised professional association
- a critical ability to review results and relate the findings to both disease pathophysiology and to quality control and assessment information used for measurement procedures within the clinical department
- a detailed understanding of the measurement principles involved in relevant clinical tests/procedures in order to facilitate troubleshooting and develop adequate procedures of preventative maintenance

Achieved through:

- completion of a relevant undergraduate qualification as per Step 1 of PiCSA's Cardiac Physiologist entry pathway guideline.
- enrolment (Level 1 ACP) or completion (Level 2 ACP) in/of a discipline specific post-graduate qualification including an ASAR accredited cardiac ultrasound course, or an IBHRE/BHRS/EHRA/CEPIA certified examination in electrophysiology and/or cardiac devices.
- participation in a recognised formal training element, as per point 1 and 2, with appropriate practical training and assessment programmes conducted by specialist societies (e.g., PiCSA cardiac catheterization competency).
- participation in departmental seminars and clinical meetings, audit and clinical report evaluation
- continued self-endeavour (e.g., literature research and critical appraisal) under supervision of an accredited Clinical Physiologist in cardiac physiology

2.1A: Cardiac

RESEARCH - CARDIAC

Demonstrated training in research methodology/practices

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- ability to read and critically appraise relevant literature
- ability to discuss various research methods and concepts

SPECIFIC COMPETENCIES

- understanding of basic research methodology which allows comprehension and evaluation of data
- possessing the knowledge of how to access appropriate databases for information
- understanding of the ethics of human (medical) research including data protection, ethical approval and responsibility for anonymous data

Achievement of:

- a critical understanding of scientific and research methodology in order to successfully evaluate, develop and/or modify both current and emerging technologies as routine diagnostic tools in clinical physiology
- the development of research skills and expertise sufficient to support supervised and collaborative research projects in clinical physiology and for other related disciplines
- the development of skills to perform an effective literature survey and to consolidate and evaluate the information obtained from all available sources

Achieved through:

- participation in departmental seminars and clinical research meetings and evidence of supervised and collaborative research initiatives, potentially leading to a higher degree (MHSc/MPhil/PhD)
- the presentation of outcomes of method evaluations or clinical investigations, protocol development and research projects of a standard suitable for publication
- continued self-endeavour (e.g. literature research and critical appraisal) under supervision of an accredited Clinical Physiologist in cardiac physiology

2.1A: Cardiac

COMMUNICATION - CARDIAC

Demonstrated ability to appropriately engage (written and verbal) with colleagues, peers and patients

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- ability to respond to enquiries regarding the service provided when dealing with clinical colleagues
- ability to respectfully communicate with patients, carers, the public and other healthcare professionals
- ability to communicate the outcome of problem solving and research and development activities
- evidence of presentation of scientific material at meetings and in the literature

SPECIFIC COMPETENCIES

- ability to communicate professionally and effectively with colleagues within the discipline and in the wider clinical community
- understanding of patient rights in regard to healthcare
- ability to present findings of clinical research projects in both written and oral communication through reports, scientific papers, posters, seminars and lectures
- utilising a variety of media to communicate information effectively
- ability to communicate clinical/procedural findings to the appropriate personnel e.g., treating physician
- ability to communicate changes in haemodynamic/clinical status to the appropriate personnel e.g., treating physician
- ability to consistently communicate changes in practice, protocols, resource availability

2.1A: Cardiac

Achievement of:

- an ability to communicate clearly and with confidence to clinical and other professional colleagues both within and outside the professional group in both a formal and informal setting
- an understanding of all aspects of information technology pertinent to service provision and support of a clinical laboratory

Achieved through:

- completion of a relevant undergraduate qualification as per Step 1 of PiCSA's Cardiac Physiologist entry pathway guideline.
- enrolment (Level 1 ACP) or completion (Level 2 ACP) in/of a discipline specific post-graduate qualification including an ASAR accredited cardiac ultrasound course, or an IBHRE/BHRS/EHRA/CEPIA certified examination in electrophysiology and/or cardiac devices.
- participation in a recognised formal training element, as per point 1 and 2, with appropriate practical training and assessment programmes conducted by specialist societies (e.g., PiCSA cardiac catheterization competency).
- presentations in both oral and written format within and outside the department through seminars, tutorials, posters and appropriate peer-reviewed publications
- participation in local seminars and meetings, clinical audit and clinical report evaluation

2.1A: Cardiac

PROBLEM SOLVING - CARDIAC

Demonstrated skills in dealing with unexpected situations/scenarios (clinical and non-clinical)

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES	SPECIFIC COMPETENCIES
<ul style="list-style-type: none">• ability to assess a situation	<ul style="list-style-type: none">• understand the capabilities and limitations of equipment
<ul style="list-style-type: none">• ability to determine the nature and severity of the problem	<ul style="list-style-type: none">• able to identify and rectify or minimise the various types of artifact/suboptimal recordings/imaging that may be happening
<ul style="list-style-type: none">• ability to call upon the required knowledge and experience to deal with the problem	<ul style="list-style-type: none">• identify malfunction, troubleshoot and resolve or if not escalate through the appropriate channels
<ul style="list-style-type: none">• ability to initiate resolution of the problem	<ul style="list-style-type: none">• ability to assess a situation and determine the nature and severity of problems relating to both equipment used in cardiac physiology measurement and those encountered during the testing procedure
<ul style="list-style-type: none">• ability to demonstrate personal initiative	<ul style="list-style-type: none">• knowledgeable and experienced to act accordingly in response to a problem encountered with the discipline or within the health care sector in general
<ul style="list-style-type: none">• ability to identify equipment faults and respond appropriately	<ul style="list-style-type: none">• ability to demonstrate personal initiative to resolve problems associated within discipline specific procedures or in the wider health care context
<ul style="list-style-type: none">• recognises and minimise biological, chemical and physical hazards in the workplace	

2.1A: Cardiac

Achievement of:

- an ability to critically appraise a situation and implement the required action to resolve problems encountered both in the routine investigative and therapeutic procedures performed in clinical physiology and the wider health care context
- an ability to critically appraise information supplied and implement the required action to resolve problems in the clinical aspects of a clinical physiology service
- an understanding of the hazards (environmental, biological, chemical, physical) associated with the operating of the clinical physiology technical department and knowledge of the appropriate controlling legislation and procedures for risk assessment

Achieved through:

- completion of a relevant undergraduate qualification as per Step 1 of PiCSA's Cardiac Physiologist entry pathway guideline.
- enrolment (Level 1 ACP) or completion (Level 2 ACP) in/of a discipline specific post-graduate qualification including an ASAR accredited cardiac ultrasound course, or an IBHRE/BHRS/EHRA/CEPIA certified examination in electrophysiology and/or cardiac devices.
- participation in a recognised formal training element, as per point 1 and 2, with appropriate practical training and assessment programmes conducted by specialist societies (e.g., PiCSA cardiac catheterization competency).
- attendance at relevant scientific meetings
- supervised experience of problem solving in the laboratory
- supervised experience of problem solving in relevant aspects of profession (oral and written)
- continued self-endeavour (e.g., literature research and critical appraisal) under supervision of an accredited Clinical Physiologist in cardiac physiology

2.1A: Cardiac

MANAGEMENT / LEADERSHIP - CARDIAC

Understand and apply the fundamental aspects of staff/financial and asset management relevant to the health service

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES
• understanding of the structure and organisation of the department and how it fits into the local clinical setting
• demonstration of effective time management
• understanding the relevance of health and safety issues, particularly of those relating to the service
• understanding the importance of internal and external quality assurance programmes
• understanding the training framework and to be familiar with the practical aspects of staff management and appraisal

SPECIFIC COMPETENCIES
• ability to triage and prioritise the completion of procedures in conjunction with medical staff based on clinical need.
• understanding of the range of tasks and skills necessary for the effective management of the service including rostering and prioritisation
• understanding of the role and contribution of the service in the wider clinical environment
• understanding of the importance of economic use of healthcare resources
• awareness of and understand health and safety issues related to the discipline
• awareness of personal issues related to training and competence and an understanding of internal relationships within cardiac medicine

2.1A: Cardiac

Achievement of:

- an understanding of the basic skills required for the management of a clinical physiological measurement service
- an understanding of the wider impact of the service provision in relation to other disciplines and the particular requirements of general practice
- a knowledge of the legislation relevant to health and safety management and patient confidentiality and the methods employed to enact and adhere to such legislation
- an understanding of the departmental structure, personnel assessment through appraisal systems and the identification of training needs
- an understanding of the components of cost (from planning to test level) in the provision of a comprehensive clinical physiology service and the ability to use the tools necessary to evaluate costs and financial management

Achieved through:

- completion of a relevant undergraduate qualification as per Step 1 of PiCSA's Cardiac Physiologist entry pathway guideline.
- enrolment (Level 1 ACP) or completion (Level 2 ACP) in/of a discipline specific post-graduate qualification including an ASAR accredited cardiac ultrasound course, or an IBHRE/BHRS/EHRA/CEPIA certified examination in electrophysiology and/or cardiac devices.
- undertaking and completion of internal and/or external training programs (e.g., Managing people, Recruitment and Selection, Echo Supervisors Summit).
- significant years of experience working as a Cardiac Physiologist across a significant amount of cardiac modalities.
- involvement in local forums and committee meetings (e.g., health and safety committee, management team, interview panel)



SECTION 2.1B: Neurophysiology

2.1B: Neurophysiology

SCIENTIFIC - NEUROPHYSIOLOGY

Application and understanding of scientific methods to current experience level

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- understanding of the science that underpins the speciality (modality) and the broader aspects of medicine and clinical practice
- demonstrating a strong base of knowledge appropriate to the speciality and to the investigations and therapeutic options available
- experience of searching for knowledge, critical appraisal of information and integration into the knowledge base
- ability to identify the clinical decision which the test/intervention/procedure will inform
- ability to make judgements on the effectiveness of procedures
- application of the knowledge base to the speciality (modality) and to the range of procedures/investigations available

SPECIFIC COMPETENCIES

- understanding of the principles of the techniques and investigative procedures undertaken within the discipline of neurophysiology and in neurological medicine
- ability to advise on the choice of appropriate investigative and therapeutic procedures based on the clinical condition and presenting symptoms of the patient and the results of previous investigations where appropriate
- familiarity with the evidence for and limitations of common investigative and therapeutic procedures relevant to neurophysiology, used in the diagnosis and management of patients
- familiarity with the basic knowledge of related disciplines in order to be able to integrate relevant results into an overall interpretation of the clinical condition

2.1B: Neurophysiology

Achievement of:

- an understanding of the principles, applications and limitations of the physiological measurement and diagnostic techniques employed in the practice of their specific modality or discipline
- a detailed understanding of the application of different investigative, diagnostic and therapeutic procedures in the assessment of the relevant physiological system and the ability to recognise the necessity for performing specific test procedures where clinically appropriate
- a critical understanding of the integration and interpretation of the results of specific investigative parameters in clinical physiology with other diagnostic modalities in the overall assessment of the patient

Achieved through:

- ACP Level 1 Neurophysiology – University Graduate Studies
- ACP Level 2 Neurophysiology – same as Level 1 plus ANSA Inc. Competency Skills Assessment endorsed competency by ANSA Inc.
- Please refer to ANSA Inc. Suggested Training Pathway for more information: <https://www.ansa.org.au/>

2.1B: Neurophysiology

CLINICAL - NEUROPHYSIOLOGY

Demonstrated ability of contribution to patient care

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES
<ul style="list-style-type: none">• ability to provide interpretation of data and a diagnostic (therapeutic) opinion, including any further action to be taken by the individual directly responsible for the care of the patient
<ul style="list-style-type: none">• understanding of the wider clinical situation relevant to the patients presenting to his/her speciality
<ul style="list-style-type: none">• ability to understand and appropriately process referrals based on urgency criteria
<ul style="list-style-type: none">• ability to develop/devise an investigation strategy taking into account the complete clinical picture
<ul style="list-style-type: none">• ability to appropriately identify patients and obtain informed consent
<ul style="list-style-type: none">• understanding of the clinical applications of his/her speciality and the consequences of decisions made upon his/her actions/advice
<ul style="list-style-type: none">• awareness of the evidence base that underpins the use of the procedures employed by the service

SPECIFIC COMPETENCIES

Please refer to the [ANSA Inc. website](#) for their current competency statements:

- EEGs
- NCSs
- SSEPs
- VEPs
- BAEPs

2.1B: Neurophysiology

Achievement of:

- an understanding of the normal anatomy and physiology of the relevant physiological system and the effects of different disease processes on the functioning of the system as a whole
- an understanding of the mode of action and efficacy of different therapies (both pharmacological and non-pharmacological) and the mechanisms by which they may modulate disease processes in clinical medicine
- an understanding of the methods by which different investigative procedures may be utilised in order to achieve an appropriate clinical interpretation and assessment of the clinical condition

Achieved through:

- Please refer to ANSA Inc. Suggested Training Pathway

<https://www.ansa.org.au/>

2.1B: Neurophysiology

TECHNICAL - NEUROPHYSIOLOGY

Demonstrated relevant skills in the modality or area of specialisation

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES
<ul style="list-style-type: none">• understanding of the principles associated with a range of tests/techniques employed in the speciality
<ul style="list-style-type: none">• knowledge of the standards of practice expected from these tests/techniques
<ul style="list-style-type: none">• experience of performing these tests/techniques
<ul style="list-style-type: none">• knowledge of data storage and retrieval specific to each speciality
<ul style="list-style-type: none">• understanding of the safe operation of profession specific equipment
<ul style="list-style-type: none">• the ability to solve problems that might arise during the routine application of these tests/techniques (troubleshooting)
<ul style="list-style-type: none">• understanding and complying with the concepts of clinical ethical considerations
<ul style="list-style-type: none">• understanding of the principles of quality control and quality assurance

SPECIFIC COMPETENCIES
<p>Please refer to the current ANSA Inc. competency statements and best practice test guidelines:</p> <ul style="list-style-type: none">• EEG
<ul style="list-style-type: none">• NCS
<ul style="list-style-type: none">• SSEP
<ul style="list-style-type: none">• VEP
<ul style="list-style-type: none">• BAEP
<ul style="list-style-type: none">• Non-routine EEG
<ul style="list-style-type: none">• Neonatal EEG
<ul style="list-style-type: none">• Additional Physiological Measurement

2.1B: Neurophysiology

- experience of the use of quality control and quality assurance techniques including restorative action when performance deteriorates

• Infection Control Guidelines

Achievement of:

- an ability to perform a range of investigative tests/techniques and therapeutic procedures the relevant discipline to the required standards of an operational protocol as defined for the purposes of laboratory accreditation or under the guidance of the recognised professional association
- a critical ability to review results and relate the findings to both disease pathophysiology and to quality control and assessment information used for measurement procedures within the clinical department
- a detailed understanding of the measurement principles involved in relevant clinical tests/procedures in order to facilitate troubleshooting and develop adequate procedures of preventative maintenance

Achieved through: • Please refer to ANSA Inc. Suggested Training Pathway

<https://www.ansa.org.au/>

2.1B: Neurophysiology

RESEARCH - NEUROPHYSIOLOGY

Demonstrated training in research methodology/practices

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- ability to read and critically appraise relevant literature
- ability to discuss various research methods and concepts

SPECIFIC COMPETENCIES

- have developed basic research skills and be capable of problem solving, troubleshooting and to undertake investigations of unanswered questions
- have basic research skills including the ability to identify potential problems, formulate specific hypotheses and to develop and implement an experimental plan to investigate and resolve the problem
- have developed the skills to search appropriate databases for information including use of specific application e.g. Medline, Embase, BIDS
- have an understanding of the ethics of human (medical) research including data protection, ethical approval and responsibility for anonymous data

Achievement of:

- a critical understanding of scientific and research methodology in order to successfully evaluate, develop and/or modify both current and emerging technologies as routine diagnostic tools in clinical physiology
- the development of research skills and expertise sufficient to support supervised and collaborative research projects in clinical physiology and for other related disciplines
- the development of skills to perform an effective literature survey and to consolidate and evaluate the information obtained from all available sources

2.1B: Neurophysiology

- Achieved through:
- participation in departmental seminars and clinical research meetings and evidence of supervised and collaborative research initiatives, potentially leading to a higher degree (MHSoc/MPhil/PhD)
 - the presentation of outcomes of method evaluations or clinical investigations, protocol development and research projects of a standard suitable for publication
 - continued self-endeavour (e.g. literature research and critical appraisal) under supervision of an accredited Clinical Physiologist in neurophysiology

2.1B: Neurophysiology

COMMUNICATION - NEUROPHYSIOLOGY

Demonstrated ability to appropriately engage (written and verbal) with colleagues, peers and patients

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES
• ability to respond to enquiries regarding the service provided when dealing with clinical colleagues
• ability to respectfully communicate with patients, carers, the public and other healthcare professionals
• ability to communicate the outcome of problem solving and research and development activities
• evidence of presentation of scientific material at meetings and in the literature

SPECIFIC COMPETENCIES
• be able to communicate effectively with colleagues within the discipline and in the wider clinical community (including patients, carers and relatives)
• be able to present findings of clinical research projects in both written and oral communication through reports, scientific papers, posters, seminars and lectures
• be able to educate and train colleagues and be able to undertake the responsibility of supervising junior colleagues
• be capable of utilising modern communication media e.g. PowerPoint

Achievement of:	<ul style="list-style-type: none">• an ability to communicate clearly and with confidence to clinical and other professional colleagues both within and outside the professional group in both a formal and informal setting• an understanding of all aspects of information technology pertinent to service provision and support of a clinical laboratory
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2.1B: Neurophysiology

- Achieved through:
- a structured taught element and participation in appropriate training and assessment programmes conducted by the approved professional associations
 - presentations in both oral and written format within and outside the department through seminars, tutorials, posters and appropriate peer-reviewed publications
 - participation in local seminars and meetings, clinical audit and clinical report evaluation self endeavour (e.g. competence in word processing and other PC based applications)

2.1B: Neurophysiology

PROBLEM SOLVING - NEUROPHYSIOLOGY

Demonstrated skills in dealing with unexpected situations/scenarios (clinical and non-clinical)

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES
• ability to assess a situation
• ability to determine the nature and severity of the problem
• ability to call upon the required knowledge and experience to deal with the problem
• ability to initiate resolution of the problem
• ability to demonstrate personal initiative
• ability to identify equipment faults and respond appropriately
• recognises and minimise biological, chemical and physical hazards in the workplace

SPECIFIC COMPETENCIES
• have the ability to assess a situation and determine the nature and severity of problems relating to both equipment used in discipline-specific clinical physiology measurement and those encountered during the testing procedure
• have the knowledge and experience to act accordingly in response to a problem encountered with the discipline or within the health care sector in general
• have the ability to demonstrate personal initiative to resolve problems associated with discipline-specific procedures or in the wider health care context

2.1B: Neurophysiology

Achievement of:	<ul style="list-style-type: none">• an ability to critically appraise a situation and implement the required action to resolve problems encountered both in the routine investigative and therapeutic procedures performed in clinical physiology and the wider health care context• an ability to critically appraise information supplied and implement the required action to resolve problems in the clinical aspects of a clinical physiology service• an understanding of the hazards (environmental, biological, chemical, physical) associated with the operating of the clinical physiology technical department and knowledge of the appropriate controlling legislation and procedures for risk assessment
Achieved through:	<ul style="list-style-type: none">• participation in appropriate training programmes and attendance at relevant scientific meetings• supervised experience of problem solving in the department• supervised experience of problem solving in relevant aspects of clinical liaison (oral and written)• continued self-endeavour (e.g. literature research and critical appraisal) under the supervision of an accredited Clinical Physiologist in neurophysiology

2.1B: Neurophysiology

MANAGEMENT/LEADERSHIP - NEUROPHYSIOLOGY

Understand and apply the fundamental aspects of staff/financial and asset management relevant to the health service

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- understanding of the structure and organisation of the department and how it fits into the local clinical setting
- demonstration of effective time management
- understanding the relevance of health and safety issues, particularly of those relating to the service
- understanding the importance of internal and external quality assurance programmes
- understanding the training framework and to be familiar with the practical aspects of staff management and appraisal

SPECIFIC COMPETENCIES

- understand the range of tasks and skills necessary for the effective management of the service including audit
- understand the role and contribution of the service in the wider clinical environment
- be aware of and understand health and safety issues related to the discipline
- be aware of personal issues related to training and competence and an understanding of internal relationships within their particular discipline
- understand the basic aspects of financial management, budget planning, resource allocation and service development relevant to the department and discipline, to clinical physiology in general and in the wider health care context

2.1B: Neurophysiology

Achievement of:

- an understanding of the basic skills required for the management of a clinical physiological measurement service
- an understanding of the wider impact of the service provision in relation to other disciplines and the particular requirements of general practice
- a knowledge of the legislation relevant to health and safety management and patient confidentiality and the methods employed to enact and adhere to such legislation
- an understanding of the departmental structure, personnel assessment through appraisal systems and the identification of training needs
- an understanding of the components of cost (from planning to test level) in the provision of a comprehensive clinical physiology service and the ability to use the tools necessary to evaluate costs and financial management

Achieved through:

- a structured taught element and participation in appropriate training and assessment programmes, tutorial, local management and health and safety courses
- observation at local forums and committee meetings (eg health and safety committee, management team, interview panel)



SECTION 2.1C:

Respiratory

2.1C: Respiratory

SCIENTIFIC - RESPIRATORY

Application and understanding of scientific methods to current experience level

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- understanding of the science that underpins the speciality (modality) and the broader aspects of medicine and clinical practice
- demonstrating a strong base of knowledge appropriate to the speciality and to the investigations and therapeutic options available
- experience of searching for knowledge, critical appraisal of information and integration into the knowledge base
- ability to identify the clinical decision which the test/intervention/procedure will inform
- ability to make judgements on the effectiveness of procedures
- application of the knowledge base to the speciality (modality) and to the range of procedures/investigations available

SPECIFIC COMPETENCIES

- understand the principles of the techniques and investigative procedures undertaken within the discipline of respiratory physiology and in respiratory medicine
- be able to advise on the choice of appropriate investigative and therapeutic procedures based on the clinical condition and presenting symptoms of the patient and the results of previous investigations where appropriate
- be familiar with the evidence for and limitations of common investigative and therapeutic procedures relevant to respiratory physiology, used in the diagnosis and management of patients

2.1C: Respiratory

Achievement of:

- an understanding of the principles, applications and limitations of the physiological measurement and diagnostic techniques employed in the practice of their specific modality or discipline
- a detailed understanding of the application of different investigative, diagnostic and therapeutic procedures in the assessment of the relevant physiological system and the ability to recognise the necessity for performing specific test procedures where clinically appropriate
- a critical understanding of the integration and interpretation of the results of specific investigative parameters in clinical physiology with other diagnostic modalities in the overall assessment of the patient

Achieved through:

- a structured taught element and participation in appropriate training and assessment programmes conducted by approved specialist societies (e.g. ANZSRS/TSANZ)
- continued self-endeavour (e.g. literature research and critical appraisal) under supervision of an accredited Clinical Physiologist in respiratory physiology

2.1C: Respiratory

CLINICAL - RESPIRATORY

Demonstrated ability of contribution to patient care

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- ability to provide interpretation of data and a diagnostic (therapeutic) opinion, including any further action to be taken by the individual directly responsible for the care of the patient
- understanding of the wider clinical situation relevant to the patients presenting to his/her speciality
- ability to understand and appropriately process referrals based on urgency criteria
- ability to develop/devise an investigation strategy taking into account the complete clinical picture
- ability to appropriately identify patients and obtain informed consent
- understanding of the clinical applications of his/her speciality and the consequences of decisions made upon his/her actions/advice
- awareness of the evidence base that underpins the use of the procedures employed by the service

SPECIFIC COMPETENCIES

- have a detailed understanding of the normal functioning of the respiratory system and of the human body as a whole, in order to provide a foundation for the understanding of different disease processes that may be encountered within the discipline
- understand the underlying mechanisms of the pathophysiology of respiratory disease and the impact that systemic diseases may have on the functioning of the respiratory system
- be able to recognise changes in relevant signs, symptoms and measured parameters (ie test results) and relate them to the underlying pathology of specific diseases and conditions associated with the respiratory system
- be able to recognise significant changes in relevant signs, symptoms and measured parameters and understand the effects of diagnostic or therapeutic procedures in order to interpret any changes in the clinical condition
- be able to contribute to the monitoring and ongoing management of patients with respiratory disease those with respiratory abnormalities
- have adequate clinical knowledge in order to be able to communicate effectively with clinical and other professional colleagues with the working environment

2.1C: Respiratory

Achievement of:

- an understanding of the normal anatomy and physiology of the relevant physiological system and the effects of different disease processes on the functioning of the system as a whole
- an understanding of the mode of action and efficacy of different therapies (both pharmacological and non-pharmacological) and the mechanisms by which they may modulate disease processes in clinical medicine
- an understanding of the methods by which different investigative procedures may be utilised in order to achieve an appropriate clinical interpretation and assessment of the clinical condition

Achieved through:

- a structured taught element and participation in appropriate training and assessment programmes conducted by approved specialist societies (e.g. ANZSRS/TSANZ) participation in departmental seminars and clinical meetings, audit and clinical report evaluation
- continued professional development and self-endeavour (e.g. literature awareness) under the supervision of an accredited Clinical Physiologist in respiratory physiology

2.1C: Respiratory

TECHNICAL - RESPIRATORY

Demonstrated relevant skills in the modality or area of specialisation

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- understanding of the principles associated with a range of tests/techniques employed in the speciality
- knowledge of the standards of practice expected from these tests/techniques
- experience of performing these tests/techniques
- knowledge of data storage and retrieval specific to each speciality
- understanding of the safe operation of profession specific equipment
- the ability to solve problems that might arise during the routine application of these tests/techniques (troubleshooting)

SPECIFIC COMPETENCIES

- have a detailed understanding of investigative techniques and therapeutic procedures (e.g. dynamic lung volumes, static lung volumes, gas transfer, body plethysmography, field exercise testing, challenge testing) with a knowledge of test protocols and recognised national/international standards of practice
- be competent to perform investigative and therapeutic investigations in respiratory physiology (e.g. dynamic lung volumes, static lung volumes, gas transfer, body plethysmography, field exercise testing, challenge testing) using a variety of techniques in a range of patients across the spectrum of disease severity
- have detailed understanding of physiological measurement techniques together with knowledge regarding the pathophysiology of lung disease in order to investigate and resolve problems associated with both measurement and calibration errors and those related to respiratory disease
- be able to interpret quality control and quality assurance data and take appropriate corrective action where necessary
- understand principles and practice with respect to health and safety aspects of work (e.g. sterilisation and disinfection techniques, gas cylinders, etc) and take appropriate corrective action where necessary

2.1C: Respiratory

- understanding and complying with the concepts of clinical ethical considerations
- understanding of the principles of quality control and quality assurance
- experience of the use of quality control and quality assurance techniques including restorative action when performance deteriorates

Achievement of:

- an ability to perform a range of investigative tests/techniques and therapeutic procedures the relevant discipline to the required standards of an operational protocol as defined for the purposes of laboratory accreditation or under the guidance of the recognised professional association
- a critical ability to review results and relate the findings to both disease pathophysiology and to quality control and assessment information used for measurement procedures within the clinical department
- a detailed understanding of the measurement principles involved in relevant clinical tests/procedures in order to facilitate troubleshooting and develop adequate procedures of preventative maintenance

Achieved through:

- a structured taught element and participation in appropriate training and assessment programmes held by the approved specialist societies (ANZSRS/TSANZ) practical instruction and experience (with completion of a log book) and participation in local courses (e.g. manual handling, fire and electrical safety, basic and hospital life support, VDU awareness)
- continued professional development and self-endeavour (e.g. literature awareness) under the supervision of an accredited Clinical Physiologist in respiratory physiology

2.1C: Respiratory

RESEARCH - RESPIRATORY

Demonstrated training in research methodology/practices

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- ability to read and critically appraise relevant literature
- ability to discuss various research methods and concepts

SPECIFIC COMPETENCIES

- have developed basic research skills and be capable of problem solving, troubleshooting and to undertake investigations of unanswered questions
- have basic research skills including the ability to identify potential problems, formulate specific hypotheses and to develop and implement an experimental plan to investigate and resolve the problem
- have developed the skills to search appropriate databases for information including use of specific application (eg Medline, Embase, BIDS)
- have an understanding of the ethics of human (medical) research including data protection, ethical approval and responsibility for anonymous data

Achievement of:

- a critical understanding of scientific and research methodology in order to successfully evaluate, develop and/or modify both current and emerging technologies as routine diagnostic tools in clinical physiology
- the development of research skills and expertise sufficient to support supervised and collaborative research projects in clinical physiology and for other related disciplines
- the development of skills to perform an effective literature survey and to consolidate and evaluate the information obtained from all available sources

2.1C: Respiratory

Achieved through:

- participation in departmental seminars and clinical research meetings and evidence of supervised and collaborative research initiatives, potentially leading to a higher degree (MSc/MPhil/PhD)
- the presentation of outcomes of method evaluations or clinical investigations, protocol development and research projects of a standard suitable for publication
- continued self-endeavour (e.g. literature research and critical appraisal) under supervision of an accredited Clinical Physiologist in respiratory physiology

2.1C: Respiratory

COMMUNICATION - RESPIRATORY

Demonstrated ability to appropriately engage (written and verbal) with colleagues, peers and patients

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- ability to respond to enquiries regarding the service provided when dealing with clinical colleagues
- ability to respectfully communicate with patients, carers, the public and other healthcare professionals
- ability to communicate the outcome of problem solving and research and development activities
- evidence of presentation of scientific material at meetings and in the literature

SPECIFIC COMPETENCIES

- be able to communicate effectively with colleagues within the discipline and in the wider clinical community (including patients, carers and relatives)
- be able to present findings of clinical research projects in both written and oral communication through reports, scientific papers, posters, seminars and lectures
- be able to educate and train colleagues and be able to undertake the responsibility of supervising junior colleagues
- be capable of utilising modern communication media (e.g. Powerpoint)

Achievement of:

- an ability to communicate clearly and with confidence to clinical and other professional colleagues both within and outside the professional group in both a formal and informal setting
- an understanding of all aspects of information technology pertinent to service provision and support of a clinical laboratory

Achieved through:

- a structured taught element and participation in appropriate training and assessment programmes conducted by the approved professional associations
- presentations in both oral and written format within and outside the department through seminars, tutorials, posters and appropriate peer-reviewed publications
- participation in local seminars and meetings, clinical audit and clinical report evaluation self endeavour (e.g. competence in word processing and other PC based applications)

2.1C: Respiratory

PROBLEM SOLVING - RESPIRATORY

Demonstrated skills in dealing with unexpected situations/scenarios (clinical and non-clinical)

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- ability to assess a situation
- ability to determine the nature and severity of the problem
- ability to call upon the required knowledge and experience to deal with the problem
- ability to initiate resolution of the problem
- ability to demonstrate personal initiative
- ability to identify equipment faults and respond appropriately
- recognises and minimise biological, chemical and physical hazards in the workplace

SPECIFIC COMPETENCIES

- have the ability to assess a situation and determine the nature and severity of problems relating to both equipment used in discipline-specific clinical physiology measurement and those encountered during the testing procedure
- have the knowledge and experience to act accordingly in response to a problem encountered with the discipline or within the health care sector in general
- have the ability to demonstrate personal initiative to resolve problems associated with discipline-specific procedures or in the wider health care context

2.1C: Respiratory

Achievement of:

- an ability to critically appraise a situation and implement the required action to resolve problems encountered both in the routine investigative and therapeutic procedures performed in clinical physiology and the wider health care context
- an ability to critically appraise information supplied and implement the required action to resolve problems in the clinical aspects of a clinical physiology service
- an understanding of the hazards (environmental, biological, chemical, physical) associated with the operating of the clinical physiology technical department and knowledge of the appropriate controlling legislation and procedures for risk assessment

Achieved through:

- participation in appropriate training programmes and attendance at relevant scientific meetings
- supervised experience of problem solving in the department
- supervised experience of problem solving in relevant aspects of clinical liaison (oral and written)
- continued self-endeavour (e.g. literature research and critical appraisal) under the supervision of an accredited Clinical Physiologist in respiratory physiology

2.1C: Respiratory

MANAGEMENT / LEADERSHIP - RESPIRATORY

Understand and apply the fundamental aspects of staff/financial and asset management relevant to the health service

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- understanding of the structure and organisation of the department and how it fits into the local clinical setting
- demonstration of effective time management
- understanding the relevance of health and safety issues, particularly of those relating to the service
- understanding the importance of internal and external quality assurance programmes
- understanding the training framework and to be familiar with the practical aspects of staff management and appraisal

SPECIFIC COMPETENCIES

- understand the range of tasks and skills necessary for the effective management of the service including audit
- understand the role and contribution of the service in the wider clinical environment
- be aware of and understand health and safety issues related to the discipline
- be aware of personal issues related to training and competence and an understanding of internal relationships within their particular discipline
- understand the basic aspects of financial management, budget planning, resource allocation and service development relevant to the department and discipline, to clinical physiology in general and in the wider health care context

2.1C: Respiratory

Achievement of:

- an understanding of the basic skills required for the management of a clinical physiological measurement service
- an understanding of the wider impact of the service provision in relation to other disciplines and the particular requirements of general practice
- a knowledge of the legislation relevant to health and safety management and patient confidentiality and the methods employed to enact and adhere to such legislation
- an understanding of the departmental structure, personnel assessment through appraisal systems and the identification of training needs
- an understanding of the components of cost (from planning to test level) in the provision of a comprehensive clinical physiology service and the ability to use the tools necessary to evaluate costs and financial management

Achieved through:

- a structured taught element and participation in appropriate training and assessment programmes, tutorial, local management and health and safety courses
- observation at local forums and committee meetings (e.g. health and safety committee, management team, interview panel)



SECTION 2.1D:

Sleep

2.1D: Sleep

SCIENTIFIC - SLEEP

Application and understanding of scientific methods to current experience level

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- understanding of the science that underpins the speciality (modality) and the broader aspects of medicine and clinical practice
- demonstrating a strong base of knowledge appropriate to the speciality and to the investigations and therapeutic options available
- experience of searching for knowledge, critical appraisal of information and integration into the knowledge base
- ability to apply knowledge to problems associated with the routine provision and development of the service
- ability to identify the clinical decision which the test/intervention/procedure will inform

SPECIFIC COMPETENCIES

LEVEL 1

- recognises that sleep and sleep medicine is a broad discipline with many underlying scientific and physiological principles.
- working toward an understanding of normal sleep, sleep disorders, diagnostics, their treatment and association with other medical conditions.
- able to search for information regarding sleep and sleep disorders.
- aware of and developing knowledge of problem solving important to service provision and development.
- developing an understanding of the purpose of diagnostic and treatment studies, including both overnight and daytime studies.

LEVEL 2

- has a good understanding of the science and physiology of sleep, sleep disorders and their assessment and treatment.
- good understanding of normal sleep, sleep disorders, appropriate diagnostics their treatment and association with other medical conditions.
- can find, evaluate, and integrate information about sleep and sleep disorders into current knowledge
- sufficiently knowledgeable to identify, solve or escalate problems.
- can identify or seek advice about the appropriateness of a sleep study request based upon the sleep disorder suspected or diagnosed.

2.1D: Sleep

<ul style="list-style-type: none">• ability to make judgements on the effectiveness of procedures	<ul style="list-style-type: none">• learning to describe the aim of treatment for sleep-disordered breathing and assess treatment effectiveness.	<ul style="list-style-type: none">• able to identify the efficacy of treatment settings for sleep disordered breathing and make the correct decisions to change those settings.
<ul style="list-style-type: none">• application of the knowledge base to the speciality (modality) and to the range of procedures/investigations available	<ul style="list-style-type: none">• can describe common sleep disorders and the basic concepts in investigating them.	<ul style="list-style-type: none">• can describe a wide variety of sleep disorders and the methods of investigating them.

Achievement of:

- an understanding of the principles, applications and limitations of the physiological measurement and diagnostic techniques employed in the practice of their specific modality or discipline
- a detailed understanding of the application of different investigative, diagnostic, and therapeutic procedures in the assessment of the relevant physiological system and the ability to recognise the necessity for performing specific test procedures where clinically appropriate
- a critical understanding of the integration and interpretation of the results of specific investigative parameters in clinical physiology with other diagnostic modalities in the overall assessment of the patient

Achieved through:

- participation in structured and documented training and ongoing competency assessment, preferably conducted by an accredited Level 2 Clinical Physiologist in sleep physiology.
- practical experience conducting or overseeing sleep investigations and treatment initiation.
- participation in relevant educational activities conducted by appropriate specialist societies (e.g., ANZSSA/ASA).
- continued and documented self-endeavour (e.g., literature research and critical appraisal).

2.1D: Sleep

CLINICAL - SLEEP

Demonstrated ability of contribution to patient care

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- ability to provide interpretation of data and a diagnostic (therapeutic) opinion, including any further action to be taken by the individual directly responsible for the care of the patient
- understanding of the wider clinical situation relevant to the patients presenting to his/her speciality
- ability to understand and appropriately process referrals based on urgency criteria
- ability to develop/devise an investigation strategy considering the complete clinical picture

SPECIFIC COMPETENCIES

LEVEL 1

- Learning to interpret core sleep study data to identify sleep and physiological abnormalities from PSG.
- learning to titrate CPAP for the treatment of OSA.
- learning to report test quality and other relevant observations.
- learning to identify symptoms and physiological signs of clinical significance. Learning to be aware of patient's clinical state and when to seek assistance based upon this information.
- aware of urgency criteria and learning about how they are applied.
- learning to identify when a change of investigation strategy may be required and seek appropriate advice or assistance.

LEVEL 2

- able to interpret core sleep study data to identify stages of sleep and physiological abnormalities from PSG.
- able to titrate CPAP for the treatment of OSA.
- able to report test quality and relevant observations.
- able to identify symptoms and physiological signs of clinical significance. Able to assess a patient's clinical state and know when to seek assistance based on this information.
- able to process referrals based on urgency criteria.
- able to identify when a change of investigation strategy may be required and seek appropriate advice or assistance.

2.1D: Sleep

<ul style="list-style-type: none"> • ability to appropriately identify patients and obtain informed consent 	<ul style="list-style-type: none"> • able to apply institution's identification and consent protocols and seek appropriate assistance.
<ul style="list-style-type: none"> • understanding of the clinical applications of his/her speciality and the consequences of decisions made upon his/her actions/advice 	<ul style="list-style-type: none"> • understand the need to titrate CPAP to a sufficient pressure to inform the treatment process.
<ul style="list-style-type: none"> • awareness of the evidence base that underpins the use of the procedures employed by the service 	<ul style="list-style-type: none"> • confident to follow instructions for PSG and MSLT/MWT testing and understand why they were devised. • understand the evidence base for key aspects of the service and confident to discuss any gaps.

<ul style="list-style-type: none"> • ability to appropriately identify patients and obtain informed consent 	<ul style="list-style-type: none"> • able to apply institution's identification and consent protocols and seek appropriate assistance.
<ul style="list-style-type: none"> • understanding of the clinical applications of his/her speciality and the consequences of decisions made upon his/her actions/advice 	<ul style="list-style-type: none"> • understand the need to titrate CPAP to a sufficient pressure to inform the treatment process.
<ul style="list-style-type: none"> • awareness of the evidence base that underpins the use of the procedures employed by the service 	<ul style="list-style-type: none"> • confident to follow instructions for PSG and MSLT/MWT testing and understand why they were devised. • understand the evidence base for key aspects of the service and confident to discuss any gaps.

Achievement of:

- an understanding of the normal anatomy and physiology of the relevant physiological system and the effects of different disease processes on the functioning of the system as a whole
- an understanding of the mode of action and efficacy of different therapies (both pharmacological and non-pharmacological) and the mechanisms by which they may modulate disease processes in clinical medicine
- an understanding of the methods by which different investigative procedures may be utilised in order to achieve an appropriate clinical interpretation and assessment of the clinical condition

Achieved through:

- participation in structured and documented training and ongoing competency assessment, preferably conducted by an accredited Level 2 Clinical Physiologist in sleep physiology.
- practical experience conducting or overseeing sleep investigations and treatment initiation.
- participation in relevant educational activities conducted by appropriate specialist societies (e.g., ANZSSA/ASA).
- participation in departmental seminars and clinical meetings, audit, and clinical report evaluation.
- continued and documented self-endeavour (e.g., literature research and critical appraisal)

2.1D: Sleep

TECHNICAL - SLEEP

Demonstrated relevant skills in the modality or area of specialisation

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- understanding of the principles associated with a range of tests/techniques employed in the speciality
- knowledge of the standards of practice expected from these tests/techniques
- experience of performing these tests/techniques
- knowledge of data storage and retrieval specific to each speciality

SPECIFIC COMPETENCIES

LEVEL 1

- developing awareness of the clinical measurements associated with routine diagnostic and therapeutic PSGs.
- awareness of current standards for sleep measurement and developing knowledge of the standardised rules for measurement and analysis of sleep and associated events.
- gaining experience in performing portable PSG; routine diagnostic and therapeutic in-lab PSG
- gaining an understanding about where PSG data is stored and how to access recorded studies

LEVEL 2

- detailed understanding of the clinical measurements associated with diagnostic and therapeutic PSGs.
- comprehensive knowledge of current standards for measurement and analysis of sleep and associated events for in-laboratory and portable diagnostic and therapeutic (especially CPAP) PSG, MSLT and MWT protocols
- demonstrated experience independently performing portable PSG, routine diagnostic, and therapeutic PSG
- understanding of offline (local) and online (server, network drive, NAS, cloud etc.) data storage mediums and how these might relate to PSG data acquisition and utilisation during and post recording.

2.1D: Sleep

<ul style="list-style-type: none">• understanding of the safe operation of profession specific equipment	<ul style="list-style-type: none">• developing knowledge of the appropriate and safe use of PSG equipment.	<ul style="list-style-type: none">• good working knowledge of the safe operating requirements and characteristics of PSG and associated equipment used.
<ul style="list-style-type: none">• the ability to solve problems that might arise during the routine application of these tests/ techniques (troubleshooting)	<ul style="list-style-type: none">• developing an understanding of issues that may arise during PSG and their significance with respect to appropriateness of troubleshooting.	<ul style="list-style-type: none">• confident to independently identify faulty equipment and erroneous PSG signals and both prevent and intervene in an appropriate and timely manner to rectify or escalate problems and ensure accuracy of data.
<ul style="list-style-type: none">• understanding and complying with the concepts of clinical ethical considerations	<ul style="list-style-type: none">• demonstrated ability to communicate and perform testing procedures in partnership with patients and other stakeholders, including but not limited to appropriate and accurate provision of information about the testing process, the protection of patients' identity, privacy, dignity and right for autonomy.	
<ul style="list-style-type: none">• understanding of the principles of quality control and quality assurance	<ul style="list-style-type: none">• awareness of and participation in the various quality management processes in the laboratory.	<ul style="list-style-type: none">• understand the importance of calibration, audit, and internal and external quality control programs for ensuring the integrity of PSG data and associated processes.
<ul style="list-style-type: none">• experience of the use of quality control and quality assurance techniques including restorative action when performance deteriorates	<ul style="list-style-type: none">• developing ability to interpret calibration or quality control data to solve routine problems.	<ul style="list-style-type: none">• demonstrated ability to interpret calibration or quality control data to solve routine and complex problems and to establish baseline signals.

2.1D: Sleep

Achievement of:

- an ability to perform a range of investigative tests/techniques and therapeutic procedures the relevant discipline to the required standards of an operational protocol as defined for the purposes of laboratory accreditation or under the guidance of the recognised professional association
- a critical ability to review results and relate the findings to both disease pathophysiology and to quality control and assessment information used for measurement procedures within the clinical department
- a detailed understanding of the measurement principles involved in relevant clinical tests/procedures to facilitate troubleshooting and develop adequate procedures of preventative maintenance

Achieved through:

- participation in structured and documented training and ongoing competency assessment, preferably conducted by an accredited Level 2 Clinical Physiologist in sleep physiology.
- practical experience conducting or overseeing sleep investigations and treatment initiation.
- participation in relevant educational activities conducted by appropriate specialist societies (e.g., ANZSSA/ASA).
- participation in laboratory quality control activities.
- continued and documented self-endeavour (e.g., literature research and critical appraisal)

2.1D: Sleep

RESEARCH - SLEEP

Demonstrated training in research methodology/practices

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES		SPECIFIC COMPETENCIES	
		LEVEL 1	LEVEL 2
• ability to read and critically appraise relevant literature		• able to search for and appraise relevant literature.	
• ability to discuss various research methods and concepts		• able to comprehend, and discuss research methods and concepts including, literature review, aims and hypotheses, ethical approval, data protection, informed consent, and privacy.	
• ability to develop the aims and objectives associated with a project		• able to develop the aims and objectives associated with a project.	
• ability to develop an experimental protocol to meet the aims and objectives in a way that provides reliable and robust data (i.e., free of bias)		• able to comprehend and adhere to research protocols so that reliable and robust data is obtained.	• establishing the ability to assess, oversee and develop robust research protocols and synthesise important information to pass on to others directly involved in data collection
• ability to perform the required experimental work and to produce and present the results (including statistical analysis)		• able to collect robust data for a research project	• able to perform experimental work, such as collection and collation of data, statistical analysis, and summation of findings

2.1D: Sleep

<ul style="list-style-type: none">• ability to critically appraise results in the light of existing knowledge and the hypothesis developed and to formulate further research questions• ability to present data and provide a critical appraisal to an audience of peers – both spoken and written	<ul style="list-style-type: none">• developing skills to appraise research results and formulate research questions• able to present literature appraisal to an audience of institutional peers.• attend institutional, local, state-based, or national presentations relevant to the field.	<ul style="list-style-type: none">• able to synthesise and critically appraise research results in light of existing knowledge and the research hypothesis and aims and develop further research questions.• ability to write a report summarising research findings.• ability to present data and provide critical appraisal to an audience of peers at an institutional, state-based or national meeting
<p>Achievement of:</p>	<ul style="list-style-type: none">• a critical understanding of scientific and research methodology to successfully evaluate, develop and/or modify both current and emerging technologies as routine diagnostic tools in clinical physiology• the development of research skills and expertise sufficient to support supervised and collaborative research projects in clinical physiology and for other related disciplines• the development of skills to perform an effective literature survey and to consolidate and evaluate the information obtained from all available sources	
<p>Achieved through:</p>	<ul style="list-style-type: none">• attendance at departmental research seminars and clinical research meetings.• presentation of literature, method, or equipment evaluations, case studies, or research findings in written or oral format.• attendance and/or participation in state based, national or international sleep related meetings.• participation in collaborative research initiatives, potentially leading to a higher degree.• participation in relevant educational activities conducted by appropriate specialist societies (e.g., ANZSSA/ASA).• development of research protocols.• continued and documented self-endeavour (e.g., literature research and critical appraisal).	

2.1D: Sleep

COMMUNICATION - SLEEP

Demonstrated ability to appropriately engage (written and verbal) with colleagues, peers, and patients

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES

- ability to respond to enquiries regarding the service provided when dealing with clinical colleagues
- ability to clearly communicate evidence-based advice, structured clinical handover and offer informed opinions to clinical colleagues (or similar)
- ability to communicate with patients respectfully and effectively, carers, the public and other healthcare professionals
- ability to communicate the outcome of problem solving and research and development activities

SPECIFIC COMPETENCIES

LEVEL 1

- learning to provide basic outline of the various services provided and to respond to enquiries appropriately.
- able to seek assistance before responding to enquiries where needed and appropriate.
- learning to provide basic information about appropriate therapies (such as CPAP & Bi-level, surgeries).
- demonstrated ability to respectfully communicate with patients, carers, the public and other healthcare professionals.
- able to follow a protocol about problem solving and associated required documentation.
- able to follow a template to draft a research or development activity process and outcome.

LEVEL 2

- able to provide information about the various services provided.
- able to seek assistance before responding to enquiries where needed and appropriate.
- able to provide information about appropriate therapies (such as CPAP & Bi-level, surgeries).
- demonstrated ability to respectfully communicate with patients, carers, the public and other healthcare professionals.
- able to determine appropriate problem-solving techniques and document the process and outcome.
- able to document a research or development activity process and outcome.

2.1D: Sleep

- evidence of presentation of scientific material at meetings and in the literature.
- ability to assess a situation and act accordingly when representing the specialty.

- able to present scientific material (e.g., journal reviews, audits, research) to colleagues within and outside the workplace.
- able to recognise behaviors of concern and seek assistance. Learning how to recognise clinical deterioration and other adverse events and act appropriately.
- confident to assess clinical, behavioural, and other situations and respond, escalate, and seek assistance as required and appropriate.

Achievement of:

- an ability to communicate clearly and with confidence to clinical and other professional colleagues both within and outside the professional group in both a formal and informal setting
- an understanding of all aspects of information technology pertinent to service provision and support of a clinical laboratory

Achieved through:

- participation in structured and documented training and ongoing competency assessment, preferably conducted by an accredited Level 2 Clinical Physiologist in sleep physiology.
- practical experience conducting or overseeing sleep investigations and treatment initiation.
- participation in relevant educational activities conducted by appropriate specialist societies (e.g., ANZSSA/ASA).
- participation in local seminars and meetings, clinical audit and clinical report evaluation.
- presenting at and participation in departmental or external presentations via seminars, meetings, tutorials, posters, reports, or peer-reviewed publications.
- continued and documented self-endeavour (e.g., literature research and critical appraisal).

2.1D: Sleep

PROBLEM SOLVING – SLEEP

Demonstrated skills in dealing with unexpected situations/scenarios (clinical and non-clinical)

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES		SPECIFIC COMPETENCIES	
		LEVEL 1	LEVEL 2
• ability to assess a situation		• able to recognise the nature of a situation or issue as it arises within the lab in the context of the equipment, personnel, or patients.	
• ability to determine the nature and severity of the problem			
• ability to call upon the required knowledge and experience to deal with the problem		• able to follow documented procedure and complete troubleshooting steps according to protocol.	• able to follow documented procedure and complete troubleshooting steps according to protocol • documents and explains problem solving outcomes and incidents occurring within the lab.
• ability to initiate resolution of the problem		• able to escalate issues and request assistance when initial problem solving steps fail or are not clearly documented.	• confident to escalate issues and request assistance when initial problem solving steps fail or are not clearly documented.
• ability to demonstrate personal initiative			

2.1D: Sleep

<ul style="list-style-type: none">• ability to identify equipment faults and respond appropriately	
<ul style="list-style-type: none">• recognises and minimises biological, chemical, and physical hazards in the workplace	

<ul style="list-style-type: none">• able to recognise when equipment is not responding appropriately or not displaying correct data and follow standard problem-solving protocol• communicates ongoing issues to senior staff members appropriately	<ul style="list-style-type: none">• able to recognise suspect acquisition data or equipment functionality and troubleshoot using standard protocol• can work with equipment suppliers and lab managers for advanced troubleshooting of equipment faults• can document equipment faults accurately and problem-solving steps to assist with future occurrences.
<ul style="list-style-type: none">• shows awareness of surroundings and takes steps to reduce hazards in the workplace.	<ul style="list-style-type: none">• recognises and actively minimises biological, chemical, and physical hazards in the workplace• can document and explain any incidents that have occurred in the workplace.

<p>Achievement of:</p> <ul style="list-style-type: none">• an ability to critically appraise a situation and implement the required action to resolve problems encountered both in the routine investigative and therapeutic procedures performed in clinical physiology and in the wider health care context• an ability to critically appraise information supplied and implement the required action to resolve problems in the clinical aspects of a clinical physiology service• an understanding of the hazards (environmental, biological, chemical, physical) associated with the operation of a clinical physiology service and knowledge of the appropriate legislation and procedures for risk assessment.

2.1D: Sleep

Achieved through:

- participation in structured and documented training and ongoing competency assessment, preferably conducted by an accredited Level 2 Clinical Physiologist in sleep physiology.
- practical experience conducting or overseeing sleep investigations and treatment initiation.
- observed problem solving experience within the department.
- participation in relevant educational activities conducted by appropriate specialist societies (e.g., ANZSSA/ASA).
- participation in institutional health and safety training such as cardiopulmonary resuscitation, fire safety, manual handling, and aggression management.
- continued and documented self-endeavour (e.g., literature research and critical appraisal).

2.1D: Sleep

MANAGEMENT / LEADERSHIP - SLEEP

Understand and apply the fundamental aspects of staff/financial and asset management relevant to the health service

EXPERIENCE:

The candidate should be able to demonstrate that he/she has worked in an environment that has enabled the individual to receive training and gain experience relevant to the competencies set out below.

GENERIC COMPETENCIES	
<ul style="list-style-type: none"> • understanding of the structure and organisation of the department and how it fits into the local clinical setting and community 	<ul style="list-style-type: none"> • good understanding of the basic / main role(s) of the sleep service and knowledge of key relationships within the organisation and community.
<ul style="list-style-type: none"> • demonstration of effective time management 	<ul style="list-style-type: none"> • able to confidently manage time in most situations during normal duties and aware of the need to manage longer term goals.
<ul style="list-style-type: none"> • understand the relevance of health and safety issues, particularly of those relating to the service 	<ul style="list-style-type: none"> • good understanding of the health and safety requirements of role and gaining confidence in reporting issues and ideas appropriately.
<ul style="list-style-type: none"> • able to measure, audit, and report on key performance indicators encompassing all aspects of service, including monitoring supply and demand, efficiency, and activity, waiting and reporting times, quality, patient experience, and staff engagement. 	<ul style="list-style-type: none"> • good understanding of service key performance indicators and aware of results of reports.

SPECIFIC COMPETENCIES	
LEVEL 1	LEVEL 2
<ul style="list-style-type: none"> • aware that the sleep service plays a role in a multidisciplinary team and within the local community. 	<ul style="list-style-type: none"> • good understanding of the basic / main role(s) of the sleep service and knowledge of key relationships within the organisation and community.
<ul style="list-style-type: none"> • good understanding of general time management principles. Learning how to best prioritise tasks and manage time during a shift. 	<ul style="list-style-type: none"> • able to confidently manage time in most situations during normal duties and aware of the need to manage longer term goals.
<ul style="list-style-type: none"> • aware of the basic health and safety requirements for the role. 	<ul style="list-style-type: none"> • good understanding of the health and safety requirements of role and gaining confidence in reporting issues and ideas appropriately.
<ul style="list-style-type: none"> • aware of some measures of quality of service. Learning how to contribute to quality measurements. 	<ul style="list-style-type: none"> • good understanding of service key performance indicators and aware of results of reports.

2.1D: Sleep

<ul style="list-style-type: none"> • understand the importance of internal and external quality assurance programs. 	<ul style="list-style-type: none"> • aware that quality assurance is conducted within the service and gaining understanding about what is involved. 	<ul style="list-style-type: none"> • understand key aspects of the service's quality assurance program.
<ul style="list-style-type: none"> • understanding the training framework and to be familiar with the practical aspects of staff management and appraisal 	<ul style="list-style-type: none"> • aware of training requirements. Undertaking basic training to be able to work independently. Aware of basic management reporting responsibilities and of staff appraisal process. 	<ul style="list-style-type: none"> • good understanding of training framework and able to work independently within scope of practice. Understand role and responsibilities to management and actively participate in a staff appraisal process.
<ul style="list-style-type: none"> • understand the importance of research, development 	<ul style="list-style-type: none"> • aware of the importance of evidence-based practice and the importance of research and development. 	<ul style="list-style-type: none"> • confident to critically assess and communicate with peers about evidence relevant to scope of practice.
<ul style="list-style-type: none"> • able to provide training / supervision 	<ul style="list-style-type: none"> • understands the importance of training and supervision in developing a skillset to work independently. 	<ul style="list-style-type: none"> • where feasible and appropriate, able to conduct research and development appropriately.
		<ul style="list-style-type: none"> • able to supervise and assist with training of other staff as directed and appropriate.

2.1D: Sleep

Achievement of:

- an understanding of the basic skills required for the management and organisation of a clinical physiology measurement service
- an understanding of the wider impact of the service provision in relation to other disciplines and the requirements of general practice
- a knowledge of the legislation relevant to health and safety management and patient confidentiality and the methods employed to enact and adhere to such legislation
- an understanding of the departmental structure, personnel assessment through appraisal systems and the identification of training needs
- an understanding of the components of cost (from planning to test level) in the provision of a comprehensive clinical physiology service and the ability to use the tools necessary to evaluate costs and financial management

Achieved through:

- practical experience engaging with, conducting, or overseeing sleep investigations, treatment initiation, staff training and appraisal, quality assurance programs, and research activities.
- participation in local forums and committee meetings (e.g. health and safety committee, management team, interview panels).
- participation in professional associations and activities, such as scientific meetings.
- engagement with budgets, service performance reports, or equipment procurement reports.

SECTION 3: CONTINUING PROFESSIONAL DEVELOPMENT (CPD)

ACPs will be required to accumulate 20 points of continuing professional development annually. Acceptable CPD activities are those that directly relate to the ACP's scope of practice and level of experience. CPD activities should be completed from a range of sources, with a minimum of one activity per group per year (see tables below for group descriptions). ACP's will be required to attest to completing the required 20 CPD points at the time of annual registration; evidence of CPD activities can be requested at any time by ACCP for audit.

For multi-disciplinary ACPs, the annual 20 CPD points must be spread across all disciplines in which the ACP practices and in such a way that the spread represents their usual spread of work.

Workplace mandatory training (presentation or attendance) is not considered appropriate CPD activity.

Other types of CPD activity can be used as long as they meet the CPD principle of ongoing learning and self-reflection.

Each CPD point is considered equivalent to 1 hour, however, points are capped per activity. For example: 3 points are assigned for a Group C activity, regardless whether the time spent was 3hrs or 5hrs.

Remember:

- 1. A minimum of 20 points per year is required.**
- 2. A minimum of 1 activity per category per year**
- 3. CPD to be appropriate to level of role**

Please note: this is an evolving document and subject to future changes. Any changes will be in consultation with the associated Professional Associations and announced by the ACCP at least 12 months ahead of the next audit period.

GROUP A ACTIVITIES: LEARNING FROM EXPERIENCE IN THE WORKPLACE

1 point per activity

CPD ACTIVITY	EVIDENCE TO BE KEPT IN PORTFOLIO
Discussion with colleagues	Summary of discussion via CPD form
Staff educational meetings	Attendance record and CPD form
Review and analysis of incidents/events	CPD form
In service training	CPD form
Clinical Audit activities	CPD form
Peer review (you perform the review)	CPD form
Project work	CPD form
Work shadowing/job rotation	CPD form

GROUP B ACTIVITIES: LEARNING FROM STRUCTURED COURSES

2 points per activity

CPD ACTIVITY	EVIDENCE TO BE KEPT IN PORTFOLIO
External Seminars/Workshops/Lectures	Attendance certificate plus CPD form
Specialist or multidisciplinary conferences	Attendance certificate plus CPD form
External Courses	Attendance form plus CPD form
Qualifications gained Review of select individual lectures	Qualification certificate or exam results letter; 1 CPD form per lecture
Learning from structured online courses	Documentation of website and CPD form
Developing training courses	Details of course and your input via CPD form

GROUP C ACTIVITIES: LEARNING FROM SELF-DIRECTED PERSONAL WORK ACTIVITY

3 points per activity

CPD ACTIVITY	EVIDENCE TO BE KEPT IN PORTFOLIO
Journal article review-Self directed	CPD form and copy of article
Case study	*Copy of case report (patient identifiers removed) Summarize your learning via CPD form
Peer review of a paper submission	Copy of article/paper and CPD form
Presenting and Teaching	*Summary of teaching sessions and what you learnt preparing or updating it via CPD form
Mentoring/student supervision	Anonymised summary of staff/student, your role and what you learnt via CPD form
Presentation at meeting/conference/course/seminar	*Copy of presentation and invite for presentation or program for event. Summarize your learning via CPD form

**For power-point presentations, print/save to PDF with 6 slides per page.*

SECTION 4: AUDITING

If the ACCP requests to see your CPD evidence as part of a routine audit, you will be notified by email. You will get 3 months warning, and a 1-month reminder. The Professional Portfolio gives an example of what will be required should a registrant be selected for auditing.

Send the following from your previous three previous accreditation years.

- CPD activities
- Professional association memberships, or evidence of eligibility for membership

If you have not yet been registered for 3 years, you will be audited on a pro-rata basis; i.e., if you have been a registrant for 2 years at the time of the audit, you will need to have completed and send in 40 points worth of CPD activity evidence.

Dispensation will be made on a case-by-case basis for registrants who take extended periods of absence (e.g., parental leave or illness) from the workforce.

Do not send:

- Declarations - ACCP already has this information.
- ACCP payment receipts - we already have this.
- Full PowerPoint presentations or other extremely large file size documents - print to PDF.
- Entire content of presentations attended – in general, a one page summary is sufficient.
- Performance reviews, bank statements or other personal documents.
- Anything with patient or staff identifiers.

Audit Outcomes:

- Passed – you will receive an email advising the audit was passed. It may provide suggestions or feedback to improve your portfolio.
- Resubmission – you may be asked to provide more information.
- Failed – you may be given an opportunity to provide more information in a set timeframe, or a request to re-audit in 1 year with suggestions for improvement.
- Failure to submit or resubmit a portfolio when requested may result in loss of your accreditation.

Organise your documents so that:

- CPD form is followed by its accompanying evidence
- Separate the forms and evidence for each calendar year and for each group - you should have three groups (years 1, 2 and 3), with three sections (groups A, B and C) in each.

SECTION 5: GLOSSARY OF TERMS

Accredited Clinical Physiologist	ACP
Australian Council for Clinical Physiologists	ACCP
Australian Sonographer Accreditation Registry	ASAR
Brainstem Auditory Evoked Potentials	BAEP
British Heart Rhythm Society	BHRS
Cardiac Electrophysiology Institute of Australasia	CEPIA
Clinical Physiologists Registration Board (New Zealand)	CPRB
Electroencephalograph	EEG
European Heart Rhythm Association	EHRA
International Board of Heart Rhythm Examiners	IBHRE
Nerve Conduction Study	NCS
Professional Associations	PAs
Registration Council for Clinical Physiologists (United Kingdom)	RCCP
Somatosensory Evoked Potentials	SSEP
Visual Evoked Potentials	VEP

SECTION 6: BIBLIOGRAPHY

- AHPRA website: www.ahpra.gov.au
- Allied Health: credentialing competency and capability framework (revised edition) Vic Health: www.health.vic.gov.au/allied-health-workforce/credentialling-competency-and-capability-framework
- ANSA website: www.ansa.org.au
- ANZSRS website: www.anzsrs.org.au
- ANZSSA website: www.anzsleepsceince.org
- CPRB website: www.cprb.org.nz
- NASRHP website: nasrhp.org.au
- National Safety and Quality Health Service Standards website: www.safetyandquality.gov.au/standards/nsqhs-standards
- PiCSA website: www.picsa.org.au
- QLD Health Allied Health Expanded Scope Strategy 2016-2021: www.health.qld.gov.au/ahwac/html/ah-expandedscope
- QLD Health Credentialing and defining the scope of clinical practice health service directive: www.health.qld.gov.au/_data/assets/pdf_file/0038/670979/gh-hsd-034.pdf
- QLD Health Guideline for Credentialing, Defining the Scope of Clinical Practice and Professional Support for Allied Health Professionals: www.health.qld.gov.au/_data/assets/pdf_file/0021/155505/gh-hsdgdl-034-1.pdf
- RCCP website: www.rccp.co.uk
- Royal College of Speech and Language Therapists (RCSLT) website: <https://www.rcslt.org/>