



Australian Government

Department of Education, Employment and Workplace Relations

HLTSL507C Provide care and maintenance of sleep study and monitoring equipment

Release: 1

HLTSL507C Provide care and maintenance of sleep study and monitoring equipment

Modification History

Not Applicable

Unit Descriptor

Descriptor

This unit of competency describes the skills and knowledge required to provide care and maintenance for sleep study and monitoring equipment
Provision of structured evaluation and recommendations for equipment being considered for purchase is included

Application of the Unit

Application

Work performed requires a broad knowledge, range of well developed skills and the ability to develop and apply solutions to a range of predictable and unpredictable problems
Individuals use discretion and judgement and take responsibility for their own outputs
All activities are carried out in accordance with organisation policies, procedures and infection control guidelines

Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Not Applicable

Employability Skills Information

Employability Skills

This unit contains Employability Skills

Elements and Performance Criteria Pre-Content

Elements define the essential outcomes of a unit of competency.

The Performance Criteria specify the level of performance required to demonstrate achievement of the Element. Terms in italics are elaborated in the Range Statement.

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

- | | |
|---|--|
| 1. Perform pre-use <i>safety checks</i> | 1.1 Set up and check equipment in accordance with organisation policies and procedures and manufacturer's specifications
1.2 Complete care and maintenance of equipment required prior to use
1.3 Identify and correct minor <i>equipment problems</i>
1.4 Report hazardous, damaged or faulty equipment and arrange repairs |
| 2. Implement planned maintenance | 2.1 Identify maintenance procedures and appropriate documentation
2.2 Maintain sleep study and monitoring equipment in accordance with organisation policies and procedures, relevant standards and manufacturer's guidelines
2.3 Complete <i>documentation</i>
2.4 Review and update maintenance records in accordance with organisation policies and procedures |
| 3. Repair faulty equipment | 3.1 Identify and label faulty equipment
3.2 Complete documentation in accordance with organisation policies and procedures
3.3 Complete equipment repair in accordance with organisation policies and procedures and manufacturer's instructions |

ELEMENT**PERFORMANCE CRITERIA**

- | | |
|---|---|
| 4. Orient other staff to sleep study and monitoring equipment | 4.1 Provide instruction on equipment operation to staff as required
4.2 Provide in-service training on basic equipment operation as required |
| 5. Evaluate sleep study and monitoring equipment | 5.1 Research new technologies
5.2 Conduct <i>evaluation of equipment</i> being considered for purchase
5.3 Order new equipment
5.4 Provide recommendations for large equipment purchases |

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level required for this unit.

Essential knowledge:

The candidate must be able to demonstrate essential knowledge required to effectively do the task outlined in elements and performance criteria of this unit, manage the task and manage contingencies in the context of the identified work role

This includes knowledge of:

- Application of sleep study and monitoring equipment and the contraindications and complications associated with their use
- Basic electrical knowledge and electrical safety requirements
- Infection control policy and procedures in relation to sleep and monitoring equipment
- Medical terminology used relevant to the worker's role
- Occupational health and safety procedures in relation to sleep and monitoring equipment
- Relevant anatomy and physiology related to the set-up and operation of sleep study and monitoring equipment
- The current range and use of sleep study and monitoring equipment

Essential skills:

It is critical that the candidate demonstrate the ability to:

REQUIRED SKILLS AND KNOWLEDGE

- Apply sleep study and monitoring equipment cleaning procedures
- Follow procedures for timely set-up, trouble-shooting, shut-down, cleaning and storage of sleep study and monitoring equipment
- Identify faults and problems with sleep study and monitoring equipment
- Identify the range and purpose of a range of sleep study and monitoring equipment
- Perform minor maintenance procedures
- Recognise hazards related to the use of each item of a range of sleep and monitoring equipment

In addition, the candidate must be able to effectively do the task outlined in elements and performance criteria of this unit, manage the task and manage contingencies in the context of the identified work role

This includes the ability to:

- Calibrate and maintain equipment to required standard
- Communicate with health professionals
- Communicate with maintenance engineers
- Communicate with people from diverse cultural and linguistic backgrounds
- Deal with conflict
- Demonstrate basic training and instruction skills
- Identify and rectify equipment problems
- Solve problems including an ability to use available resources
- Use appropriate cleaning chemicals
- Use numeracy skills ranging from the ability to complete basic arithmetic calculations, recording stock levels and statistical information
- Use oral communication skills required to fulfil job roles in a safe manner and as specified by the organisation, including skills in:
 - asking questions
 - providing clear information
 - listening to and understanding workplace instructions
 - clarifying workplace instructions when necessary
 - effective verbal and non verbal communication with a range of internal and external persons
 - literacy in English or a community language, depending on client group and organisation requirements
- Use reading and writing skills required to fulfil job roles in a safe manner and as specified by the organisation at a level of skill that involves reading and documenting clinical information and understanding complex policy and procedure manuals
- Work with others and display empathy with client and relatives

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

Critical aspects for assessment and evidence required to demonstrate this competency unit:

- The individual being assessed must provide evidence of specified essential knowledge as well as skills
- Where, for reasons of safety, space, or access to equipment and resources, assessment takes place away from the workplace, the assessment environment should represent workplace conditions as closely as possible
- Consistency of performance should be demonstrated over the required range of situations relevant to the workplace

Context of and specific resources for assessment:

- Relevant organisation policy, guidelines, procedures and protocols

EVIDENCE GUIDE

Method of assessment:

- Clinical skills involving direct client care are to be assessed initially in a simulated clinical setting (laboratory). If successful, a second assessment is to be conducted during workplace application under direct supervision.
- Observation of work activities when providing care and maintenance of sleep study and monitoring equipment
- Observation of simulation and/or role play when providing care and maintenance of sleep study and monitoring equipment
- Discussion of physical and/or behavioural contingency scenarios involving duty of care
- Authenticated transcripts of relevant education/training courses
- Recognition of relevant life/work experience
- Questioning, written assessments/projects, e-learning can be used to assess knowledge
- Authenticated reports of experience in providing care and maintenance of sleep study and monitoring equipment (Documentation associated with performance reviews, supervisor/co-ordinator evaluations of work performance)
- Training records associated with First Aid, OH Safety training, Orientation/Induction Training, Safe Manual Handling, Universal infection control procedures
- Case study and scenario as a basis for discussion of issues and strategies to contribute to best practice

EVIDENCE GUIDE

- Access and equity considerations:*
- All workers in the health industry should be aware of access and equity issues in relation to their own area of work
 - All workers should develop their ability to work in a culturally diverse environment
 - In recognition of particular health issues facing Aboriginal and Torres Strait Islander communities, workers should be aware of cultural, historical and current issues impacting on health of Aboriginal and Torres Strait Islander people
 - Assessors and trainers must take into account relevant access and equity issues, in particular relating to factors impacting on health of Aboriginal and/or Torres Strait Islander clients and communities
- Related units:*
- This unit can be assessed independently, however holistic assessment practice with other health services units of competency is encouraged

Range Statement

RANGE STATEMENT

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

- Safety checks of equipment may include:*
- Calibration
 - Check power cords, power plugs and sockets
 - Check equipment cables and plugs

RANGE STATEMENT

Sleep study and monitoring equipment may include:

- Electrocardiography (ECG) machine
- Electrodes
- Abdominal and thoracic transducers
- Non-invasive blood pressure (NIBP)
- Nasal and oral flow monitors
- Oxygen and carbon dioxide monitors

Organisation policies and procedures may refer to:

- Infection control
- Occupational health and safety
- Equipment handling and set up procedures
- Maintenance procedures
- Electrical hazards

Equipment problems may include:

- Frayed cords
- Broken pins on plugs
- Broken wires on plugs and sockets

Documentation of planned maintenance may include:

- Weekly and monthly maintenance schedule of equipment
- Quality control sheets

Instruction on equipment operation and in-service training on equipment may include:

- Set up procedures and safety checks
- Basic fault finding
- Assembly and connection procedures
- Preparation of equipment for use

Evaluation of equipment may include:

- Testing new equipment for suitability to specifications

Unit Sector(s)

Not Applicable