



Australian Government

HLTTHE003 Provide intra-operative equipment and technical support

Release: 1

HLTTHE003 Provide intra-operative equipment and technical support

Modification History

Release	Comments
Release 1	This version was released in <i>HLT Health Training Package release 2.0</i> and meets the requirements of the 2012 Standards for Training Packages. Significant changes to the elements and performance criteria. New evidence requirements for assessment, including volume and frequency requirements.

Application

This unit describes the skills and knowledge required to provide equipment and technical support during operative procedures.

This unit applies to operating theatre technicians and other theatre staff who work under the direction of surgical and anaesthetic medical staff.

The skills in this unit must be applied in accordance with Commonwealth and State/Territory legislation, Australian/New Zealand standards and industry codes of practice.

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

Elements define the essential outcomes

Performance criteria describe the performance needed to demonstrate achievement of the element

1. Maintain sterile field

1.1 Conform with aseptic principles when moving around a sterile field to prevent contamination

1.2 Report personal and other staff breaches of aseptic principles to the relevant staff in accordance with organisation policy and procedures

2. Monitor equipment performance

2.1 Switch on warning devices and check correct operation

2.2 Check levels of gas, electrical and vacuum supplies

ELEMENT**PERFORMANCE CRITERIA**

Elements define the essential outcomes

Performance criteria describe the performance needed to demonstrate achievement of the element

are adequate for procedure and confirm back-up supply as required

2.3 Observe equipment while in use, recognise faults, and take immediate action to avoid danger to clients, staff and equipment in accordance with organisation policy and procedures

2.4 Follow established procedures to rectify faulty equipment

2.5 Complete accurate equipment documentation in accordance with organisation policy and procedures

3. Attach and detach equipment

3.1 Select and use appropriate personal protective equipment

3.2 Select appropriate client attachments and attach safely and securely to appropriate sites under the guidance of medical staff

3.3 Re-position client attachments during theatre procedures as required

3.4 Safely detach client attachments using techniques that minimise risk of damage to client, staff or equipment

3.5 Provide counter-traction during orthopaedic and plastic procedures and manipulations as directed

4. Connect irrigation

4.1 Select correct irrigation and sequencing for operative procedure under the guidance of the medical staff

4.2 Check information about irrigation type, sterile integrity and expiry date

4.3 Connect irrigation to sterile giving set using correct aseptic techniques

4.4 Change irrigation using aseptic techniques

4.5 Communicate the volume, type and number of irrigation bags to scout nurse

4.6 Dispose of used irrigation bags/giving sets according to organisational policy and procedures

ELEMENT**PERFORMANCE CRITERIA**

Elements define the essential outcomes

Performance criteria describe the performance needed to demonstrate achievement of the element

5. Adjust surgical equipment

5.1 Handle surgical equipment under the guidance of medical staff and within manufacturer's guidelines

5.2 Connect surgical equipment to electrical, vacuum, gas supply in accordance with standard operating procedures

5.3 Adjust surgical equipment settings in accordance with manufacturer's guidelines under guidance of surgical and anaesthetic medical staff

5.4 Clearly communicate accurate readings to medical staff as required

5.5 Recognise and clearly communicate alarms/warnings, abnormal readings and equipment usage times to medical staff as required

5.6 Use aseptic techniques to pass sterile equipment/lines from the surgical team and connect to surgical equipment

Foundation Skills

The Foundation Skills describe those required skills (language, literacy, numeracy and employment skills) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ced1390f-48d9-4ab0-bd50-b015e5485705>

Assessment Requirements for HLTTHE003 Provide intra-operative equipment and technical support

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Performance Evidence

The candidate must show evidence of the ability to complete tasks outlined in elements and performance criteria of this unit, manage tasks and manage contingencies in the context of the job role. There must be evidence that the candidate has:

- followed established technical, infection control and safety procedures and instructions for equipment support in a range of different situations, including at least one of each of the following:
 - during emergencies
 - re-positioning
 - change of surgical procedure

Knowledge Evidence

The candidate must be able to demonstrate essential knowledge required to effectively complete tasks outlined in elements and performance criteria of this unit, manage tasks and manage contingencies in the context of the work role. This includes knowledge of:

- scope of operating theatre technician role in working with equipment, including limitations
- medico-legal implications in relation to the use of equipment by the technician in the operating suite environment
- standard and additional infection control procedures that apply to:
 - the operating theatre environment
 - equipment within the operating theatre
- types of surgical equipment, their purpose and specific hazards and precautions in relation to safety of client and staff, including:

- electrical safety
- settings of equipment
- features and use of surgical equipment in relation to:
 - set up
 - assembly and connection
 - preparation for use
 - safe manual handling
- irrigation equipment, its use and associated hazards
- human anatomy and physiology in relation to client transfer and positioning, including:
 - normal and abnormal body positions
 - joint movement
 - features of body locations where equipment may need to be attached/detached
- different positions required for operative procedures, associated risks, and how to position clients, including:
 - supine
 - prone
 - lateral
 - lithotomy
- operating room air-conditioning and ventilation systems and their impact on the technician's role and work practices

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - fully equipped operating theatre
 - documented procedures that the candidate must follow
- modelling of industry operating conditions, including presence of situations requiring problem solving

Assessors must satisfy the Standards for Registered Training Organisations (RTOs) 2015/AQTF mandatory competency requirements for assessors.

Links

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<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ced1390f-48d9-4ab0-bd50-b015e5485705>