# Unit of Competency template

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| **Unit code** | HLTTHE003X |
| **Unit title** | Provide intra-operative equipment and technical support |
| **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 *current* Commonwealth and State/Territory legislation, Australian/New Zealand standards and industry codes of practice*.* |
| **Pre-requisite unit** | N/A |
| **Competency field** |  |
| **Unit sector** | Health |
| **Elements** | **Performance criteria** |
| 1. Maintain sterile field | 1.1 Conform with aseptic principles when moving around a sterile field to prevent contamination1.2 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 are adequate for procedure and confirm back-up supply as required2.3 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 procedures2.4 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 staff3.3 Re-position client attachments during theatre procedures as required3.4 Safely detach client attachments using techniques that minimise risk of damage to client, staff or equipment3.5 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 techniques4.4 Change irrigation using aseptic techniques4.5 Communicate the volume, type and number of irrigation bags to scout nurse4.6 Dispose of used irrigation bags/giving sets according to organisational policy and procedures |
| 5. Adjust surgical equipment | 5.1 Handle surgical equipment under the guidance of medical staff and within manufacturer’s guidelines5.2 Connect surgical equipment to electrical, vacuum, gas supply in accordance with standard operating procedures5.3 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 required5.5 Recognise and clearly communicate alarms/warnings, abnormal readings and equipment usage times to medical staff as required5.6 Use aseptic techniques to pass sterile equipment/lines from the surgical team and connect to surgical equipment |
| **Foundation skills***Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.* |
| **Range of conditions**N/A |
| **Unit mapping information** | No equivalent unit. |
| **Links** | ~~<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ced1390f-48d9-4ab0-bd50-b015e5485705>~~  |
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# Assessment Requirements template

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| **Title** | Assessment Requirements for HLTTHE003X Provide intra-operative equipment and technical support |
| **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
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| **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
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| **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** | ~~<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ced1390f-48d9-4ab0-bd50-b015e5485705>~~  |