



Australian Government

HLTANA012 Maintain quality and supply of anaesthetic equipment and consumables

Release: 1

HLTANA012 Maintain quality and supply of anaesthetic equipment and consumables

Modification History

Supersedes and is not equivalent to HLTANA005 Maintain quality and supply of anaesthetic equipment and consumables.

Application

This unit describes the skills and knowledge required to check functioning of equipment, implement routine and planned equipment maintenance, and maintain the supply of anaesthetic supplies. It also covers the evaluation of new equipment.

The unit applies to anaesthetic technicians working in any hospital or day surgery setting.

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

No occupational licensing, certification or specific legislative requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Anaesthetic Technology

Unit Sector

Health

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes

PERFORMANCE CRITERIA

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

1. Check functioning and conduct routine maintenance.
 - 1.1. Check availability of minimum equipment requirements as per Australia New Zealand College of Anaesthetists (ANZCA) policy guidelines.
 - 1.2. Perform safety checks.
 - 1.3. Ensure anaesthetic equipment is functioning correctly and rectify any routine problems.
 - 1.4. Clean and safely store equipment.
 - 1.5. Report hazardous, damaged or faulty equipment and arrange repairs.
 - 1.6. Disassemble and decontaminate anaesthetic equipment.
 - 1.7. Dispose of disposable or single use items in accordance with organisational policies and procedures.
2. Maintain adequate stock levels of anaesthetic consumable items.
 - 2.1. Access and interpret stock documentation, store and rotate stock, check stock levels and take action to maintain supply.
 - 2.2. Communicate unavailability of stock to relevant personnel.
 - 2.3. Identify when to withdraw and dispose of stock in compliance with health hazard notices and environmental protection authority.
 - 2.4. Dispose of expired stock safely in accordance with legislative requirements and organisational policies and procedures.
 - 2.5. Ensure product disclosure information, technical data sheets and material safety data sheets are available and referenced as required.
 - 2.6. Identify suitable alternative product(s) and access if required.
3. Implement planned maintenance.
 - 3.1. Identify maintenance procedures and appropriate documentation.
 - 3.2. Maintain anaesthetic and monitoring equipment in accordance with manufacturers' guidelines.
 - 3.3. Complete regular servicing in accordance with scope of own role.
 - 3.4. Complete accurate maintenance documentation and escalate to relevant personnel any issue.
 - 3.5. Review maintenance records and update.

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| 4. Arrange repairs of anaesthetic equipment. | 4.1. Identify anaesthetic equipment faults and place safety hazard label on anaesthetic equipment. |
| | 4.2. Complete repair request documentation and give to relevant personnel for actioning. |
| | 4.3. Complete routine and minor anaesthetic equipment repairs. |
| 5. Orientate staff to anaesthetic and monitoring equipment. | 5.1. Provide instruction on anaesthetic equipment to other members of the multidisciplinary team. |
| | 5.2. Provide in-service training on anaesthetic equipment to other members of the multidisciplinary team. |

Foundation Skills

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

Unit Mapping Information

Supersedes and is not equivalent to HLTANA005 Maintain quality and supply of anaesthetic equipment and consumables.

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 HLTANA012 Maintain quality and supply of anaesthetic equipment and consumables

Modification History

Supersedes and is not equivalent to HLTANA005 Maintain quality and supply of anaesthetic equipment and consumables.

Performance Evidence

Evidence of the ability to complete tasks outlined in elements and performance criteria of this unit in the context of the job role, and:

- follow legislation, industry standards and code of practice, manufacturers' guidelines and organisational policies and procedures to maintain the standard and supply of anaesthetic equipment and supplies for at least one facility, including:
 - routine cleaning and care
 - arranging repairs
 - testing for functionality and safety, including ANZCA level 2 and level 3 check of the anaesthetic machine
 - equipment decontamination.

Knowledge Evidence

Demonstrated knowledge required to complete the tasks outlined in elements and performance criteria of this unit:

- national, state or territory legal and ethical considerations for management of equipment and consumables, and how these are applied in organisations:
 - codes of practice
 - duty of care
 - infection prevention and control
 - records management
 - rights and responsibilities of workers and employers
 - work role boundaries including responsibilities and limitations
 - work health and safety (WHS):
 - electrical safety requirements for equipment
 - gas safety
 - laser safety
 - radiation safety
- types of anaesthetic equipment and consumables required:
 - medications, forms and other consumables
 - anaesthetic airway, breathing, infusion monitoring devices
 - emergency equipment

- scavenge systems
- non-disposable equipment
- operating room air change and pollution standards
- areas that require anaesthesia related equipment and consumables:
 - anaesthetic and emergency trolleys
 - induction room and storerooms
 - anaesthetic machines
- procedures for set-up and safety checks, principles and limitation of operation, features, functions and safe use of anaesthetic and monitoring equipment, including their service schedule, storage, disassembly and cleaning requirements, including:
 - anaesthetic machine and components, including:
 - alarms and measurement devices
 - suction and scavenge systems
 - ventilator
 - bulk and local gas supply equipment including pipeline and cylinders
 - vaporisers
 - breathing systems, circuits and attachments
 - airway and breathing equipment including:
 - fiberoptic, video and other intubation adjuncts
 - consumables
 - breathing circuits and portable ventilators
 - invasive and non-invasive monitoring equipment
 - emergency equipment
 - associated anaesthetic equipment:
 - thermoregulation equipment
 - infusion and rapid infusion equipment
 - anti-thromboembolic device
 - ultrasound
- routine problems that occur with different types of equipment and how to rectify within scope of own role
- principles of physics and measurement as it relates to anaesthetic practice, including:
 - thermodynamics
 - gas laws
 - fluid dynamics
 - potentiometry
 - optics
 - transducers
 - vaporisation
 - ultrasound
- basic electronic components and their function.

Assessment Conditions

Skills must be demonstrated in the workplace or in a simulated environment that reflects workplace conditions.

Assessment must ensure access to:

- use of suitable facilities, equipment and resources, modelling of industry operating conditions, including presence of situations requiring problem solving in non-routine situations.

Assessors must satisfy the Standards for Registered Training Organisations' requirements for assessors.

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