



Australian Government

HLTSTE009 Clean reusable medical devices

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Modification History

Release	Comments
1	This unit of competency was first released in HLT Health Release 11.0.

Application

This unit describes the skills and knowledge required to sort, inspect and clean used reusable medical devices, including the effective use of equipment and completion of quality checks and documentation according to organisational procedures.

This unit applies to individuals working under general supervision and within established procedures in a range of health and non-health related facilities that process reusable medical devices.

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

Licensing/Regulatory Information

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

Pre-requisite unit(s)

No pre-requisite units

Competency field(s)

N/A

Unit sector(s)

Sterile Medical Equipment

Elements and Performance Criteria

Element	Performance criteria
<i>Elements define the essential outcomes of a unit of competency</i>	<i>The Performance Criteria specify the level of performance required to demonstrate achievement of the Element</i>

<p>1. Receive and sort reusable medical devices</p>	<p>1.1 Prepare and use personal protective equipment (PPE) according to organisational procedures</p> <p>1.2 Collect and transport items to cleaning area according to collection procedures and organisational requirements</p> <p>1.3 Organise workflow using dirty to clean principle</p> <p>1.4 Sort reusable medical devices and dispose of single-use devices and sharps according to organisational procedures</p> <p>1.5 Check for completeness of set and for multi-part reusable medical devices</p> <p>1.6 Identify and separate items requiring segregation or specialised processing</p> <p>1.7 Identify and respond to priority processing requirements</p> <p>1.8 Report reusable medical device discrepancies to designated personnel according to organisational procedures</p>
<p>2. Prepare used reusable medical devices for cleaning</p>	<p>2.1 Test and prepare equipment and cleaning chemicals for use according to organisational procedures</p> <p>2.2 Prepare specialised items for specific cleaning procedures according to manufacturer's instructions for use</p> <p>2.3 Disassemble reusable medical devices and other devices for cleaning processes according to manufacturer's instructions for use</p> <p>2.4 Select cleaning processes and equipment according to manufacturer's instructions for use, organisational procedures and product family</p>
<p>3. Pre-cleaning of reusable medical devices</p>	<p>3.1 Perform pre-cleaning using soaking, flushing and brushing techniques for reusable medical devices according to manual handling techniques, manufacturer's instructions for use and organisational procedures</p> <p>3.2 Operate ultrasonic cleaning equipment according to manufacturer's instructions for use and organisational procedures</p>
<p>4. Complete manual cleaning of reusable medical devices</p>	<p>4.1 Clean reusable medical devices using manual process and required chemicals according to Standard, manufacturer's instructions for use and organisational procedures</p> <p>4.2 Operate cleaning equipment using safe manual handling techniques</p> <p>4.3 Minimise the risk of cross-contamination during the manual and automated cleaning process</p>

	4.4 Verify manual cleaning and drying outcomes against release criteria and reprocess if required
5. Load medical devices for automated cleaning	<p>5.1 Select, test and prepare automated cleaning equipment including loading devices and chemicals according to manufacturer's instructions for use and organisational procedures</p> <p>5.2 Load reusable medical devices into automated cleaning equipment using configurations that optimise cleaning efficacy according to organisational procedures</p> <p>5.3 Check load content and configuration for compliance with annual performance qualification process and report non-compliance</p> <p>5.4 Select automated cleaning cycle according to manufacturer's instructions for use, organisational procedures and product family</p>
6. Monitor and maintain quality of cleaning process	<p>6.1 Monitor cleaning processes and respond to routine problems according to Standard, manufacturer's instructions for use and organisational procedures</p> <p>6.2 Monitor water quality according to Standard and organisational procedures</p> <p>6.3 Complete quality management documentation according to organisational procedures</p> <p>6.4 Identify and report non-conformance in the cleaning process and action according to organisational procedures</p> <p>6.5 Record reusable medical devices using manual or electronic tracking system according to Standard and organisational procedures</p> <p>6.6 Verify and record cleaning processes</p> <p>6.7 Confirm cycle records conform to process specification according to Standard, manufacturer's instructions for use and organisational procedures</p> <p>6.8 Release load according to Standard and organisational procedures</p>

Foundation skills

The foundation skills essential to performance of this unit, but not explicit in the performance criteria are listed here, along with a brief context statement.

Skills	Description
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Learning skills to:	<ul style="list-style-type: none">• use organisational procedures, technical safety data sheets, manufacturer's instructions and Standards.
Reading skills to:	<ul style="list-style-type: none">• interpret familiar organisational policies and procedures, technical safety data sheets and manufacturer's instructions.
Numeracy skills to:	<ul style="list-style-type: none">• calculate and prepare precise chemical dilution ratios against process specifications.

Digital literacy outcomes are included in the Foundation Skills Companion Volume.

Range of conditions

N/A

DRAFT

Assessment Requirements for HLTSTE009 Clean reusable medical devices

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 procedures, work processes and national Standard for the sorting, disassembly, and cleaning of 3 reusable medical devices on at least 3 separate occasions, 9 devices in total
- identified and responded to at least 1 process variation and 1 routine problem
- addressed relevant work health and safety, infection prevention and control and manual task requirements.

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:

- requirements of Standard AS5369 and its role in the cleaning of reusable medical devices
- interpretation and application of manufacturer's instruction for use across all cleaning stages
- cleaning requirements, including the use of cleaning brushes and accessories
- cleaning chemicals including approved instrument grade detergents
- methods to remove soil, dyes and adhesives
- cleaning requirements for different types of reusable medical devices, including:
 - plain reusable medical devices
 - lumened reusable medical devices
 - specialised and complex reusable medical devices
- types and features of cleaning and drying equipment, and their monitoring and maintenance requirements
- steps in the cleaning and disinfection work-flow process and the reasons for design of work area
- routine monitoring and efficacy testing of cleaning processes and equipment

- water quality monitoring
- waste minimisation, removal and safe disposal
- cleaning terminology
- safe work practices in the cleaning area
- key aspects of cleaning, including:
 - infection prevention and control
 - personal protective equipment (PPE)
 - sharps management
 - segregation
 - safe chemical handling
 - safety data sheets
 - importance of maintaining passivation layer
 - lubrication requirement
- issues affecting the integrity and safety of items, including:
 - missing items
 - faulty components
 - physical damage
- Spaulding's classification
 - critical
 - semi-critical
 - non-critical
- conditions and parameters for cleaning
- quality monitoring, including:
- risk factors
 - control measures

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:
 - AS53693
 - 3 different reusable medical devices requiring cleaning
 - manufactured soil
 - PPE

- organisational procedures for operation of cleaning and drying equipment
- manufacturer's instructions for use
- traceability and quality assurance documentation
- scenarios including situations requiring problem-solving

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

Mandatory Workplace Requirements

Assessment of performance evidence may be in a workplace setting or an environment that accurately represents a real workplace.

Unit Mapping Information

Previous Code and Title	Equivalence	Comments
HLTSTE001 Clean and disinfect reusable medical devices	Not equivalent	Minor changes to unit application. Major changes to elements and performance criteria. Minor changes to performance evidence requirements for assessment. Minor changes to knowledge evidence.

Links

Companion volumes, including implementation guides, are found on the national training register - <https://training.gov.au/training/details/HLT>.