



**Australian Government**

# **HLTSTE015 Monitor and maintain reprocessing equipment**

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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 of competency describes the skills and knowledge required to plan, implement, and monitor maintenance and operational requirements for reprocessing equipment, ensuring it functions safely, reliably, and in line with manufacturer's instructions, organisational procedures, and relevant standards.

Individuals in this role are responsible for scheduling and performing maintenance, monitoring equipment performance, addressing faults or non-compliance, and keeping accurate records for traceability.

This unit is designed for individuals who ensure reusable medical devices are processed safely and in compliance with workplace, regulatory, and organisational requirements.

*The skills in this unit must be applied in accordance with current Commonwealth and State/Territory legislation, Australian Standard 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
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<i>Elements define the essential outcomes</i>	<i>Performance criteria describe the performance required to demonstrate achievement of the element</i>
<p>1. Determine compliance requirements for reprocessing equipment</p>	<p>1.1 Verify registration and operational status of reprocessing equipment according to regulatory requirements, safety data sheets, and manufacturer’s instruction for use</p> <p>1.2 Ensure cleaning, disinfection and sterilising agents used with reprocessing equipment meet manufacturer’s specifications and safety requirements</p> <p>1.3 Verify ongoing compliance of reprocessing equipment with manufacturer’s instructions for use and organisational procedures</p> <p>1.4 Assess and monitor water quality requirements to ensure suitability for reprocessing equipment according to Standard and manufacturer’s instructions for use</p> <p>1.5 Report equipment and agent discrepancies to designated personnel according to organisational procedures</p>
<p>2. Plan monitoring and maintenance of reprocessing equipment</p>	<p>2.1 Determine scope for routine monitoring and preventative maintenance requirements according to Standard and manufacturer’s instructions for use in consultation with designated personnel</p> <p>2.2 Develop schedules for routine monitoring and preventative maintenance according to requirements of Standards and manufacturer’s instructions for use</p> <p>2.3 Develop water quality monitoring schedules according to Standard</p>
<p>3. Monitor and maintain reprocessing equipment</p>	<p>3.1 Audit routine monitoring, preventative maintenance and equipment performance according to Standard and manufacturer’s instructions for use</p> <p>3.2 Review compliance with routine monitoring and preventive maintenance requirements and report discrepancies in line with Standards and organisational procedures</p> <p>3.3 Analyse performance qualification data to determine compliance and operational effectiveness of reprocessing equipment</p> <p>3.4 Develop and implement performance requalification schedules according to requirements of Standard</p> <p>3.5 Identify non-conformances, and troubleshoot according to organisational procedures</p>

	<p>3.6 Escalate issues outside scope of responsibility promptly according to organisational procedures</p> <p>3.7 Apply business continuity procedures in response to equipment failure or non-conformance</p>
4. Maintain records and reports	<p>4.1 Verify monitoring, preventative maintenance and repair records to ensure they are complete and maintained according to organisational procedures</p> <p>4.2 Analyse non-compliant records and reports and take corrective actions according to organisational procedures</p> <p>4.3 Manage recall processes according to Standard and organisational procedures</p>
5. Monitor and report on quality and compliance	<p>5.1 Collate and analyse performance feedback from stakeholders to identify equipment trends, recurring issues or potential systemic non-conformance according to organisational procedures</p> <p>5.2 Prepare and submit reports on equipment performance and maintenance highlighting areas for improvement or corrective action</p> <p>5.3 Provide recommendations to relevant stakeholders for process or equipment improvements based on analysis of monitoring and feedback data</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
Learning skills to:	<ul style="list-style-type: none"> <li>follow organisational procedures, manufacturer's instructions and Standards to monitor and maintain reprocessing equipment and take corrective actions to address non-compliance issues.</li> </ul>
Reading skills to:	<ul style="list-style-type: none"> <li>interpret technical organisational procedures, manufacturer's instructions, quality management guidelines and Standards to complete tracking process.</li> </ul>
Numeracy skills to:	<ul style="list-style-type: none"> <li>monitor reprocessing systems (temperature, time, dates) and interpret data logs.</li> </ul>

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

## Range of conditions

N/A

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# Assessment Requirements for HLTSTE015 Monitor and maintain reprocessing equipment

## 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:

- developed, implemented and evaluated monitoring and maintenance plans for at least 2 different types of reprocessing equipment, including:
  - requalification schedule
  - validation of water quality requirements
- validated at least 2 different types of reprocessing equipment for compliance with registration according to regulatory requirements, safety data sheets and manufacturer's instructions for use
- evaluated at least 2 different types of cleaning, disinfection or sterilising agents for compliance with regulatory requirements and manufacturer's instructions for use.

## 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 AS5369 for routine monitoring and preventative maintenance of reprocessing equipment
- the accreditation process for health and non-health facilities
- features and functions of reprocessing and associated equipment, including:
  - ultrasonic cleaners
  - disinfection systems
  - reusable medical device washer disinfectors
  - case cart washer disinfectors
  - multi-chamber washer disinfectors
  - automated lubrication devices utilised for dental equipment
  - leak testers
  - drying cabinets
  - automatic endoscope reprocessor
  - endoscope controlled environment storage/drying cabinet
  - insulation testers

- steam sterilisers
- heat sealers
- low temperature sterilisers
- manual and automated chemical dispensing system
- water treatment systems
- routine monitoring, including:
  - equipment faults
  - discrepancies
  - performance issues
  - frequency of testing
  - optional monitoring
  - mandatory monitoring
  - manufacturer's instructions for use
- preventative maintenance, including:
  - frequency of maintenance
  - mandatory maintenance
  - manufacturer's instructions for use
  - water quality requirements
- validation requirements, including:
  - installation qualification
  - operational qualification
  - performance qualification
  - contingency planning
- administration and record keeping requirements, including:
  - routine monitoring and testing
  - validation requirements
  - traceability systems
  - preventative maintenance and repair
  - recall systems
  - reporting requirements of Standard AS5369
- statistical interpretation, including:
  - basic understanding of how to read data logs and sensor outputs during a validation cycle
- recall triggers, including:

- specific criteria that necessitate a device recall

## Assessment Conditions

Skills must have been demonstrated in the workplace or simulated environment that reflects workplace conditions.

The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
  - AS5369
  - multiple types of reprocessing equipment
  - test data for analysis for completion
  - manufacturer’s instructions for use
  - technical manuals
  - safety data sheets
  - historical maintenance, repair, and water records
  - actual or simulated technical data sets for performance qualification analysis
- modelling of industry operating conditions, including:
  - scenarios involving equipment non-compliance or service interruptions requiring problem-solving and escalation
  - business continuity plans
  - tracking and monitoring systems.

Assessors must satisfy the current Standards for Registered Training Organisations (RTO’s)/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
HLTSTE007 Monitor and maintain cleaning and sterilisation equipment	Not equivalent	Minor changes to unit application. Major changes to elements and performance criteria. 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>.

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