



**Australian Government**

# **Assessment Requirements for PPMSPR401 Troubleshoot and rectify stock preparation systems**

**Release: 1**

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## Modification History

Release	Comments
Release 1	This version released with PPM Pulp and Paper Manufacturing Training Package Version 3.0.

## Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has carried out troubleshooting and rectification activities for at least one of the following stock preparation system types, on at least two occasions according to operational requirements:

- refining system
- blending system
- proportioning system
- broke system
- cleaning system
- water recovery system
- chemical and additive plants.

In doing the above, the individual must have, for each occasion:

- selected and used appropriate troubleshooting and testing methods to identify system and product quality faults
- diagnosed causes and sources of faults on system and associated processes
- identified and taken timely corrective action to rectify and maximise safety, quality and productivity
- communicated effectively and worked safely with others when undertaking troubleshooting and rectification activities
- completed accurate detailed records for system and product faults, diagnostic and corrective action processes on completion of fault rectification activity.

## Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- workplace and legislative health and safety requirements and risk measures relevant to operating, troubleshooting and rectifying stock preparation operations, including emergency procedures, handling chemical and hazardous substances, high risk load shifting, licensing requirements, plant clearance and permit systems
- relevant workplace and legislative environmental sustainability requirements and practices for stock preparation operations, including workplace biotechnological applications and processes considerations for troubleshooting and rectification activities
- system layout for stock preparation systems
- purpose, features and operation of stock preparation system plant, operating parameters and allowable variations
- operation and application of electronic and other control systems
- relationships between components of stock preparation plant, processes and associated services
- troubleshooting methods that can be applied across system and problem faults in stock preparation systems
- stock preparation processes and equipment required to isolate and shut down equipment and restore system operation
- manufacturer specifications and operating procedures for stock preparation systems, including shutdown and isolation procedures
- purpose of, and processes for, sampling and testing stock quality, plant and system operations
- quality requirements for different types of stock
- effect of process adjustments on stock quality and productivity.

## Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
  - skills must be demonstrated in a pulp and/or paper manufacturing facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - tools, equipment and consumables used to troubleshoot and rectify stock preparations systems
  - personal protective equipment required for inspecting and rectifying faulty stock preparation equipment and product
  - proforma or recording system for recording diagnostic and corrective action processes
- specifications:
  - workplace and standard operating procedures relating to troubleshooting and rectifying stock preparation systems, including health and safety, environmental, risks and hazards identification, plant isolation and quality and requirements
  - manufacturer specifications and operating procedures
- relationships:
  - relevant personnel for the purposes of communicating information.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

## **Links**

Companion Volumes, including Implementation Guides, are available at VETNet: -  
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=12998f8d-d0ac-40bc-a69e-72a600d4fd93>