



**Australian Government**

# **Assessment Requirements for PPMPRS401 Solve systemic problems**

**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 identified and used structured problem-solving strategies to resolve at least two equipment maintenance, product quality and process inconsistency problems for at least two of the following operations:

- steam generation
- electrical power generation
- recovered fibre
- pulping
- chemical recovery
- paper finishing and converting
- stock preparation
- wet end
- dry end
- water services.

In doing the above, there must also be evidence that the individual has, for each problem:

- conducted an analysis to determine a solution
- developed an action plan and implementation plans that define the:
  - scope of the problem
  - action activities and schedules
  - resource requirements
  - budget
  - contingencies
  - performance measures
- communicated and assisted team members with meeting implementation responsibilities and tasks

- monitored and evaluated the effectiveness of the approach and the implementation of the action plan
- produced a report outlining the problem-solving process, outcomes and improvement strategies.

## 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:

- structured problem-solving methodologies that can be applied to systemic problems with equipment and product quality in a pulp or paper manufacturing facility
- regulatory requirements and workplace procedures relevant to problem solving, including risk and hazard identification, workplace health and safety, quality, environmental requirements and practices, isolation, housekeeping and standard operating procedures
- system, processes and associated services sufficient for problem solving, including:
  - plant layout
  - theory of operation
  - causes and effects of adjustments made to equipment and processes
  - relationships between system, processes and associated services
  - effects of process variables on production and quality
- planning procedures to predict possible solutions for problem solving
- monitoring and evaluation processes for problem-solving techniques
- workplace communication and reporting requirements for problem-solving processes.

## Assessment Conditions

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

- physical conditions:
  - skills must be demonstrated a pulp and/or paper manufacturing facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - plant and system relevant to operational areas
  - software applications/workplace documentation for developing plans and reports
- specifications:
  - workplace and standard operating procedures relating to operational area requiring problem solving, including health and safety, risks and hazards identification, plant isolation, quality, housekeeping and environmental requirements
  - regulations related to operational area requiring problem solving
  - manufacturer specifications and fault-finding documentation
- 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>