



**Australian Government**

# **Assessment Requirements for PPMDEO440 Troubleshoot and rectify dry end systems**

**Release: 2**

# Assessment Requirements for PPMDEO440 Troubleshoot and rectify dry end systems

## Modification History

Release	Comments
Release 2	This version released with PPM Pulp and Paper Manufacturing Training Package Version 2.0.
Release 1	This version released with PPM Pulp and Paper Manufacturing Training Package Version 1.0.

## 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:

- analysed and rectified dry end systems at least twice in line with required enterprise intervals
- selected and used appropriate trouble shooting methods in dry end processes
- identified and rectified faults in plant, equipment and product quality, relevant to dry end processes
- used and interpreted electronic control systems, including digital control system (DCS), touch screens or robotics to control equipment and processes as required during processing
- communicated effectively and working safely with others, in the work area when rectifying dry end systems.

## 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:

- organisational procedures relevant to workplace health and safety with particular emphasis on:
  - use of personal protective equipment (PPE)
  - equipment lock out and isolation procedures
  - handling chemicals and hazardous substances, including spill and disposal guidelines
  - plant clearance requirements
  - emergency procedures and responses
  - job safety analysis documentation and processes
  - plant permit systems and processes

- high risk load shifting licensing requirements where relevant
- major hazard facility requirements where relevant
- documentation and workplace procedures relevant to troubleshooting and rectifying dry end systems in the pulp and paper industry and including:
  - standard operating procedures (SOP)
  - production needs including output targets, production scheduling quality requirements, resources and energy use, waste minimisation
  - quality procedures
  - environmental sustainability requirements/practices
  - machinery and plant manufacturing operating manuals
  - enterprise policies and procedures
  - safety data sheets
  - plant isolation and safe work documentation which includes SOP, risks and hazard identification and housekeeping
  - maintenance logs, job sheets and production instructions
- dry end plant processes and associated services sufficient to troubleshoot including:
  - plant layout
  - principles of operation
  - causes and effects of adjustments made to dry end systems
  - relationships between dry end systems and associated services
- troubleshooting methods applicable to the operation of dry end systems
- sampling and testing for plant and system operations, and process monitoring - purpose, standards and procedures as per site agreements
- cause and effect of unplanned shutdown and appropriate responses
- mill maintenance system as it applies to dry end plant and processes
- electronic and other control systems, operation and application to make appropriate adjustments that control dry end systems.

## Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
  - a workplace or a productive environment that accurately reflects performance in a workplace
- resources, equipment and materials:
  - access to the full range of tools and equipment involved in integrated continuous manufacturing of dry end operations in a pulp or paper manufacturing facility
  - electronic control systems including DCS, touch screens or robotics
  - materials used in dry end processes including chemicals, compressed air, water, electricity, gas, steam, additives, machine clothing and ropes and belts
  - PPE required for trouble shooting and rectifying dry end operations
- specifications:

- sample workplace documentation on workplace health and safety procedures, risks and hazards identification procedures, environmental and safe working requirements/practices, SOP and housekeeping requirements.

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.education.gov.au/Pages/TrainingDocs.aspx?q=12998f8d-d0ac-40bc-a69e-72a600d4fd93>