



Australian Government

PPMDEO401 Troubleshoot and rectify dry end systems

Release: 1

PPMDEO401 Troubleshoot and rectify dry end systems

Modification History

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

Application

This unit of competency describes the skills and knowledge required to identify, diagnose, rectify and report on dry end systems in the pulp and paper industry.

This unit applies to senior operators and production specialists who troubleshoot and provide solutions to dry end system problems in a paper manufacturing facility.

Dry end operations cover a range of systems and subsystems, including drying processes, reeling operations, chemical additive system, monitoring systems, sheet treatment processes, tail feed systems, broke system, on-line coating and coated paper systems, calendering systems, vacuum systems, laser systems, slitter systems, sheet transfer systems, accumulator and cleaning showers.

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

Pre-requisite Unit

Nil

Unit Sector

Dry End Operations (DEO)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Identify and analyse causes of systems and quality faults	1.1 Prepare for rectification of dry end operations according to productivity requirements and workplace health and safety and environmental procedures 1.2 Identify safety hazards and determine risk control measures with

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	relevant personnel 1.3 Interpret alarm systems and make observations to determine faults and location 1.4 Identify faults through routine physical inspections of plant, processes and equipment 1.5 Conduct systemic sampling and testing, and interpret results to identify variations from operating procedures 1.6 Access and interpret relevant sources of information, and check for recent work undertaken to assist analysis 1.7 Analyse collected information to identify cause and source of problem 1.8 Report fault and proposed corrective actions to relevant personnel
2. Rectify system and equipment faults	2.1 Shut down and isolate system according to workplace health and safety and operating procedures 2.2 Repair or replace faulty equipment and undertake appropriate adjustments and rectification according to equipment specifications 2.3 Implement corrective operational adjustments and maintenance requirements according to operating procedures 2.4 Restore normal operations and communicate to relevant personnel
3. Rectify product quality faults	3.1 Conduct further tests for identified product faults or variations as required 3.2 Interpret test results and adjust processes to correct variations from specifications 3.3 Manage out-of-specification production to ensure quality output
4. Record and report troubleshooting and rectification activities	4.1 Document process and product faults according to workplace requirements 4.2 Record and report diagnostic and corrective action processes to relevant personnel

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interpret information from a range of documentation
Writing	Complete accurate detailed records and reports for system and product faults, diagnostic and corrective action processes using the required format
Oral communication	- Provide comprehensive information about problems with equipment and products using clear language and industry terminology - Provide clear, unambiguous information about return to normal operations to system operators and other personnel
Numeracy	- Interpret numerical settings on instruments, gauges and data recording equipment - Interpret system and product data - Record detailed numerical data for system and product test results - Use measuring equipment to measure and inform calculations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMDEO401 Troubleshoot and rectify dry end systems	PPMDEO440 Troubleshoot and rectify dry end systems	Merged unit Changes to elements, performance criteria, foundation skills, performance evidence and knowledge evidence Assessment conditions updated Addresses coated paper processes	Not equivalent
PPMDEO401 Troubleshoot and rectify dry end systems	PPMCP440 Troubleshoot and rectify coated paper processes	Merged unit Changes to elements, performance criteria, foundation skills,	Not equivalent

Code and title current version	Code and title previous version	Comments	Equivalence status
		performance evidence and knowledge evidence Assessment conditions updated	

Links

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