



**Australian Government**

# **PPMCPP440 Troubleshoot and rectify coated paper processes**

**Release: 1**

# PPMCPP440 Troubleshoot and rectify coated paper processes

## Modification History

Release	Comment
1	Replaces equivalent unit FPPCPP440A Troubleshoot and rectify coated paper processes, which was first released with FPP10 Pulp and Paper Manufacturing Industry Training Package Version 1.  This is the first release of this unit in the new standards format.

## Application

This unit of competency describes the outcomes required to diagnose, rectify and report on plant, equipment or product quality faults in coated paper processes.

This unit applies to senior operators and production specialists who troubleshoot and rectify coated paper processes in a pulp or paper manufacturing facility. This work typically involves complex integrated equipment and continuous operations. Coated paper processes describe a range of systems and sub systems including tail feed systems, chemical and material batching, laminating and coating, splicing, clay plant operation, calendaring, pre-reeler operations, super calendaring, rewinding, drying systems, internal unloading and combine rollers. No licensing, legislative or certification requirements apply to this unit at the time of publication.

## Pre-requisite Unit

Nil

## Unit Sector

Pulp and Paper Manufacturing

## Elements and Performance Criteria

<b>ELEMENTS</b>  Elements describe the essential outcomes.	<b>PERFORMANCE CRITERIA</b>  Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.
1. Identify and diagnose causes of process variation, plant or equipment faults	1.1. Identify and diagnose plant or equipment faults in coated paper processes in accordance with production requirements, relevant workplace health and safety (WHS) procedures, risks and hazards identification and environmental workplace procedures. 1.2. Interpret visual assessments and machine alarm systems to determine fault type and location. 1.3. Identify faults through routine physical inspections of plant, processes and equipment. 1.4. Use appropriate techniques to identify and locate cause and source of process variation, plant or equipment faults. 1.5. Access and analyse relevant historical data, as required to confirm diagnosis. 1.6. Communicate problems to relevant personnel.
2. Rectify process variation, plant and equipment faults	2.1. Initiate, prior to fault rectification, emergency stop or shutdown, isolation and lockout procedures. 2.2. Isolate, repair or replace faulty equipment or instrumentation and undertake appropriate adjustments and rectification. 2.3. Implement corrective operational adjustments and maintenance requirements. 2.4. Restore normal operations and communicate to relevant personnel.
3. Identify and rectify product quality faults	3.1. Identify by observation, systematic sampling and testing product faults or variations. 3.2. Manage out of specification product. 3.3. Undertake sampling for tests to identify product faults or variations. 3.4. Conduct required tests. 3.5. Interpret test results and adjust to correct variations.
4. Record and report troubleshooting activities	4.1. Identify recording and reporting workplace requirements for troubleshooting. 4.2. Document variations from specification and machine operation faults. 4.3. Record assessment and evaluation of causes of deviation,

ELEMENTS	PERFORMANCE CRITERIA
	and corrective action undertaken, as required. 4.4. Communicate relevant information to personnel.

## Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria	
Numeracy skills to:	<ul style="list-style-type: none"> <li>• interpret instruments, gauges and data recording equipment</li> <li>• use measuring equipment and undertake calculations to aid testing and troubleshooting.</li> </ul>
Oral communication skills to:	<ul style="list-style-type: none"> <li>• use appropriate spoken communication strategies with work colleagues and other personnel, on site to assist with analysis and resolution of operational problems and to manage troubleshooting and maintenance.</li> </ul>
Reading skills to:	<ul style="list-style-type: none"> <li>• read and interpret procedure manuals and test results.</li> </ul>
Writing skills to:	<ul style="list-style-type: none"> <li>• record and report test results and rectifications accurately and legibly using correct technical vocabulary.</li> </ul>
Problem solving skills to:	<ul style="list-style-type: none"> <li>• maintain situational awareness in the work area</li> <li>• analyse and use sensory information to adjust process to maintain and co-ordinate safety, quality and productivity.</li> </ul>
Technology skills to:	<ul style="list-style-type: none"> <li>• use electronic and other control systems to control equipment and processes and make appropriate adjustments for coated paper processes.</li> </ul>

## Range of Conditions

Not Applicable

## Unit Mapping Information

FPPCPP440A Troubleshoot and rectify coated paper processes

## Links

Companion Volume Implementation Guide -

<http://www.skillsimpact.com.au/pulp-and-paper/skills-standards-and-qualifications/>