



**Australian Government**

# **PPMEPG330 Coordinate power generation system shutdown**

**Release: 2**

# PPMEPG330 Coordinate power generation system shutdown

## 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.

## Application

This unit of competency describes the skills and knowledge required to shut down power generation systems in both planned and unplanned situations and to communicate shutdown information and data to internal and external personnel.

The unit applies to production operators and technicians who coordinate power generation system shutdowns, in a pulp or paper manufacturing facility. This typically involves working in a facility with complex integrated equipment and continuous operations.

No licensing, legislative or certification requirements apply to this unit at the time of publication. Where the turbine equipment falls under the category for which a High Risk Work Licence is required, this unit should not be used and the appropriate unit should be sought.

## Pre-requisite Unit

Nil

## Unit Sector

Electrical power generation (EPG)

## 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. Coordinate planned	1.1 Use maintenance schedules to plan and coordinate shutdown of

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
shutdown	<p>power generation system</p> <p>1.2 Follow procedures to shut down process supplies</p> <p>1.3 Follow work health and safety and standard operating procedures (SOP) to initiate appropriate isolations and shut down systems</p> <p>1.4 Inspect system and record and report further maintenance requirements</p> <p>1.5 Select, fit, use and maintain personal protective equipment according to job requirements and task to be undertaken</p>
2. Respond to unplanned shutdown	<p>2.1 Respond to unplanned shutdown immediately</p> <p>2.2 Initiate appropriate isolations, identify and locate cause of unplanned shutdown</p> <p>2.3 Rectify, isolate and or contain faulty plant according to manufacturer's specifications/SOPs to allow continued production</p> <p>2.4 Follow procedures to shut down process supplies where fault cannot be rectified</p> <p>2.5 Assess effects of unplanned shutdown to determine impact on operations</p> <p>2.6 Communicate unplanned shutdown to appropriate personnel and power authorities, according to organisational procedures/SOPs</p>
3. Record and report shutdown data	<p>3.1 Record shutdown and corrective action processes</p> <p>3.2 Report shutdown information to relevant personnel and power authorities according to organisational procedures/SOPs</p>

## 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.*

<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Interpret workplace health and safety and SOP</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Complete accurate basic records for shutdown processes and maintenance requirements</li> </ul>

Skill	Description
Numeracy	<ul style="list-style-type: none"> <li>Interpret basic numerical settings on instruments and gauges involving pressures, flows and temperatures</li> </ul>
Get the work done	<ul style="list-style-type: none"> <li>Use and assess sensory information (sight, sound, touch, smell, vibration, temperature) to respond to system faults</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMEPG330 Coordinate power generation system shutdown Release 2	PPMEPG330 Co-ordinate power generation system shutdown Release 1	Performance criteria added, minor changes to knowledge evidence, minor change to licensing statement, grammatical adjustment to title	Equivalent unit

## Links

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