



Australian Government

PPMEPG210 Monitor and control power generation system

Release: 2

PPMEPG210 Monitor and control power generation system

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 operate, monitor and maintain power generation systems and record and report operating data.

The unit applies to production support operators who monitor and control power generation systems, 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. Confirm operational status	1.1 Check production requirements at start of shift and carry out daily work activities in line with organisational safety and standard

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	operating procedures (SOP) 1.2 Confirm power generation processes are within operational specifications by observation and inspection 1.3 Maintain process supplies to meet production requirements 1.4 Record turbine performance in operational log 1.5 Communicate operational status to relevant personnel 1.6 Select, fit, use and maintain personal protective equipment according to job requirements and task to be undertaken
2. Monitor and control power generation plant operation	2.1 Confirm operational status by inspection and routine observation 2.2 Monitor and maintain continuing process supplies to meet production requirements 2.3 Measure turbine pressures, temperatures and flows, according to organisational procedures/SOPs, or manufacturer's recommendations 2.4 Adjust turbine and generation controls to maintain operation within specifications 2.5 Monitor and maintain power output demand and distribution system to meet production requirements
3. Record and report power generation performance	3.1 Record pressures, temperatures and flows 3.2 Record power generation processes and data in operating log 3.3 Record and report maintenance according to organisational procedures

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	<ul style="list-style-type: none"> Interpret workplace health and safety and SOP
Writing	<ul style="list-style-type: none"> Complete accurate basic records for power generation processes and maintenance requirements

Skill	Description
Oral communication	<ul style="list-style-type: none"> Provide clear basic information about operational status of power generation plant
Numeracy	<ul style="list-style-type: none"> Interpret basic numerical settings on instruments and gauges involving pressures, flows and temperatures Monitor, assess and interpret power generation data Record basic numerical data for power generation performance
Get the work done	<ul style="list-style-type: none"> Use and assess sensory information (sight, sound, touch, smell, vibration, temperature) to adjust process to maximise safety and productivity

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMEPG210 Monitor and control power generation system Release 2	PPMEPG210 Monitor and control power generation system Release 1	Performance criteria added, minor changes to knowledge evidence, minor change to licensing statement	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>