



Australian Government

PPMEPG320 Manage a power generation system startup

Release: 2

PPMEPG320 Manage a power generation system startup

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 conduct pre-operational checks and bring a power generation system online.

The unit applies to production operators and technicians who manage power generation system startups, 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. Prepare system for operation	1.1 Identify production requirements to plan power generation levels 1.2 Determine power generation requirements in conjunction 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>
	power authorities 1.3 Determine sequencing for plant startup to suit current circumstances 1.4 Conduct system inspections and pre-startup safety checks in line with regulatory requirements, organisational safety and standard operating procedures (SOP) 1.5 Confirm plant status by observation and inspection 1.6 Complete routine maintenance to ensure optimum system performance 1.7 Select, fit, use and maintain personal protective equipment according to job requirements and task to be undertaken
2. Initiate system startup	2.1 Commence sequence for plant startup in line with work health and safety and SOP 2.2 Coordinate generation system start with distribution and ancillary systems and bring on-line 2.3 Observe system or plant for correct operational response 2.4 Detect deviations from operational specifications and rectify or report 2.5 Record system startup and power generation data in operating log

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 workplace health and safety and SOP
Writing	Complete accurate basic records for system startup processes and power generation performance
Numeracy	- Interpret basic numerical settings on instruments and gauges involving pressures, flows and temperatures - Monitor, assess and interpret system startup data - Record basic numerical data for system startup and power

Skill	Description
	generation performance
Get the work done	Use and assess sensory information (sight, sound, touch, smell, vibration, temperature) to adjust system operational parameters

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMEPG320 Manage a power generation system startup Release 2	PPMEPG320 Manage a power generation system startup 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>