



Australian Government

**Assessment Requirements for
FWPCOT4207 Plan and coordinate heat
plant operations**

Release: 1

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Modification History

Release	Comment
1	<p>Replaces equivalent unit FPICOT4207B Plan and coordinate heat plant operations which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.</p> <p>Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including 'Required Skills and Knowledge, Evidence Guide and Range Statement</p>

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- plan and coordinate heat plant operations for different operational periods in line with production requirements for each period
- determine, document and communicate operational orders and heat plant schedules for each of the above operational periods
- monitor and assess heat plant performance and energy generation levels during each of the above operational periods and modify levels to ensure optimum performance
- complete records for operational outcomes for each of the above periods of operation
- complete a detailed report about systematic issues arising across the operational periods covering problems with processes, outputs and equipment including recommendations for process improvements.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- environmental protection practices for heat plant operations:
 - cleaning plant, tools and equipment

- disposing of hazardous substances
- energy generation capacity of organisational heat plants and methods used to calculate energy generation levels
- processes for heat plant startup, shutdown and storage
- methods of determining heat plant schedules to meet production requirements
- data used to evaluate heat plant performance:
 - heat levels
 - pressure levels
 - energy generation levels
 - heat build-up
 - system overload information
 - test outcomes for water quality and chemicals
 - past performance records
- methods used to:
 - diagnose problems with heat plant operations
 - safely handle and store heat plant chemicals
 - inspect heat plant after shutdown
- format, content and use of:
 - operational orders
 - heat plant schedules
 - operating logs and operational records
 - fuel efficiency records
 - process improvement reports
- organisational procedures specific to planning and coordinating heat plant operations:
 - communication reporting lines for operator team members and self
 - documenting operational orders, heat plant schedules and reports
 - recording and reporting operational outcomes and equipment faults.

Assessment Conditions

The following resources must be made available:

- energy generating heat plant
- heat plant chemicals and labels
- personal protective equipment suitable for operating heat plants
- documents and proformas:
 - operational orders
 - heat plant schedules
 - operating logs and operational records
 - fuel efficiency records
 - process improvement reports

- records for equipment faults
- details of production requirements
- organisational procedures for planning and coordinating heat plant operations.
- relevant personnel for the purposes of communicating information

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>