



**Australian Government**

**Assessment Requirements for  
FWPSAW4201 Plan and monitor timber  
treatment plant operations**

**Release: 1**

# Assessment Requirements for FWPSAW4201 Plan and monitor timber treatment plant operations

## Modification History

Release	Comment
1	<p>Replaces equivalent unit FPISAW4201B Plan and monitor timber treatment 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:

- follow organisational policies and procedures relevant to planning and monitoring timber treatment plant operations
- assess, schedule and apply treatment plant procedures for timber samples
- monitor treatment plant performance and modify operations as required
- analyse and assess technical developments for incorporation into existing operations and procedures
- map processing conditions to establish trends and use this information for modifications
- modify timber treatment plant operations for the enterprise
- follow planning, communications and scheduling for timber treatment plant operations
- complete workplace documentation required for timber treatment plant operations including charge sheets to complete records of:
  - treatment plant charge
  - amount of power and energy developed and used, and
- reconciliation statements:
  - statements reflecting chemical usage and cost
  - treatment times for cycles
  - breakdown losses
  - energy costs
  - modification expenses.

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## Knowledge Evidence

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

- organisational and site standards, requirements, policies and procedures for planning and monitoring timber treatment plant operations
- Australian Standards for Timber Treatment
- environmental protection requirements, including the safe disposal of waste material, the safe use and storage of chemicals and minimising carbon emissions
- typical work flow processes and techniques for chemically treating timber:
  - full cell
  - modified cell
  - empty cell
  - double vacuum
  - immersion
  - rueping
  - dip diffusion
  - vat and sprays
- moisture content of timber for treatment
- effective and efficient use of energy
- effective and efficient use of materials
- timber treatment plant operation procedures
- water management methodologies
- waste minimisation control measures
- treatment plant modification strategies
- technical development diagnosis and solution methodologies
- types of tools and equipment and procedures for their safe use, operation and maintenance
- procedures for recording and reporting workplace information.

## Assessment Conditions

The following resources must be made available:

- personal protective equipment suitable for chemically treating timber
- manufacturers 'safety data sheets, or equivalent plain English information, for chemicals and preservative solutions
- work order with specific instructions for chemical treatment of timber
- template documents for recording chemical stock levels, processes and equipment faults
- relevant personnel for the purposes of communicating information
- organisational procedures for chemically treating timber
- a suitably licensed person to monitor and supervise handling of CCA during assessment.

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>