



Australian Government

Assessment Requirements for FWPSAW2205 Assemble materials using nail plates

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPISAW2205B Assemble materials using nail plates, 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. 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

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 assembling materials using nail plates
- assemble materials using nail plates in line with a work order and construction plans
- strap, pack and label bundles of completed products

Knowledge Evidence

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

- types of tools and equipment used for assembling products; their purpose, features and operation:
 - measuring equipment
 - assembly jigs
 - nail plate presses
 - staple guns
 - nail guns
 - compressor or compressed air supply
 - marking equipment
 - strapping equipment
- characteristics of timber

- types of materials for assembling with nail plates and their purpose
- assembly sequences
- compliant and construction standards
- typical assembly faults triggering correction to ensure product quality:
 - incorrectly positioned joints
 - timber splits from nailing
 - incorrectly positioned nail plates
- industry standard cross-sections, lengths and tolerances
- environmental protection practices for forest products factory settings:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing timber
- typical timber defects and how these affect ability to produce a quality finished product:
 - warp
 - wane
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets
- storage layout and categories for stacking finished materials
- organisational procedures specific to assembling materials using nail plates:
 - workplace health and safety with particular emphasis on equipment lock out
 - use of equipment
 - communication reporting lines
 - recording and reporting production outcomes and equipment faults.
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Assessment Conditions

The following resources must be made available:

- tools and equipment used to assemble products:
 - measuring equipment
 - assembly jigs
 - nail plate presses
 - staple guns
 - nail guns
 - compressor or compressed air supply
 - marking equipment
 - strapping equipment

- assembly hardware:
 - nail plates
 - nail gun nails
 - staples
- pre-cut sections of timber

personal protective equipment suitable for assembling materials

- manufacturers' instructions for equipment use
- work order and construction plan with specifications for assembling materials
- template documents for recording production outcomes and equipment faults
- organisational procedures for assembling materials using nail plates.

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>