



Australian Government

FWPCOT3208 Test strength of joints

Release: 1

FWPCOT3208 Test strength of joints

Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3208B Test strength of joints, which was first released with FPI11 Forest and Forest Products Training Package Version 1. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to collect samples and prepare, test and report on the strength of joints. The unit includes interpreting test results for the identification of problems in production, and making necessary changes to processes.

The unit applies to those working in a broad range of technical roles across different sectors in the forest and wood products industry.

No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Sawmilling and Processing

Timber Manufactured Products

Timber Merchandising

Wood Panel Products

Timber Truss and Frame Design and Manufacture

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare for testing	1.1 Obtain and review test specifications and equipment for testing strength of joints. 1.2 Collect and prepare test samples according to quality assurance

	procedures. 1.3 Identify and resolve potential problems with testing.
2. Conduct testing procedures	2.1 Follow organizational procedures to test samples. 2.2 Obtain and interpret test results. 2.3 Complete test reports. 2.4 Store samples according to customer, test authority and site requirements.
3. Finalise testing	3.1 Communicate test results. 3.2 Identify and dispose of or recycle faulty material 3.3 Report identified faults and assist with the identification of production problems. 3.4 Modify test sampling process in response to identified problems and production changes 3.5 Record and report testing outcomes.

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT3208B Test strength of joints

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for FWPCOT3208 Test strength of joints

Modification History

Release	Comment
1	Replaces equivalent unit FPICOT3208B Test strength of joints 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 and quality procedures for testing the strength of joints
- safely and efficiently collect samples
- accurately interpret test results
- identify problems that may affect test results
- complete accurate records and reports.

Knowledge Evidence

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

- joint strength and issues that may affect joint strength
- different types of joints: glued joints, joints formed with nail plates
- methods and procedures for testing joints: bending test, wet or dry cleavage chisel test, bloc shear test, nail plate pull out test
- problems associated with the testing process: test accuracy; sample quality; faulty material; defects
- criteria for recycling and re-using faulty material
- procedures for recording and reporting workplace information: tally sheets, quality sheets, forms
- production sheets and downtime sheets.
- criteria for recycling and re-using faulty material.

Assessment Conditions

The following resources must be made available:

- joints for testing
- equipment necessary for testing
- personal protective equipment for testing strength of joints.

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

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