



Australian Government

**Assessment Requirements for
FWPCOT3234 Cut material using CNC
sizing machines**

Release: 2

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Modification History

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 4.0.
Release 1	This version replaces equivalent FPICOT3234B Cut material using CNC sizing machines, 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.

Performance Evidence

An individual demonstrating competency in this unit must satisfy all of the elements and performance criteria of this unit. There must be evidence that, on at least one occasion, the individual has:

- followed organisational workplace health and safety requirements and environmental protection procedures for cutting engineered wood product or timber using one or both of the following types of computer numerical control (CNC) sizing machines:
 - CNC beam saw
 - CNC double end profiling machine
- set computer programs for the CNC sizing machines according to work specifications
- cut one or more of the following types of engineered wood product or timber using the CNC sizing machines according to work specifications, manufacturer recommendations and within prescribed organisational tolerances:
 - glued laminated beams (glulam)
 - cross-laminated timber (CLT)
 - laminated veneer
 - chipboard
 - medium density fibreboard
 - dressed timber
 - preservative treated timber
- conducted operator maintenance on the CNC sizing machines, cutting tools and equipment.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- health and safety hazards or risks related to operating CNC sizing machines for cutting engineered wood products or timber as identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides
- workplace policies and procedures specific to cutting material using CNC sizing machines:
 - health and safety, with particular emphasis on equipment lockout and the use of personal protective equipment (PPE)
 - use of CNC sizing machines, cutting tools and equipment
 - communication reporting lines
 - recording and reporting production outcomes, machine and equipment faults and maintenance requirements
- environmental protection practices for manufacturing facilities:
 - reducing water and energy use
 - cleaning plant, cutting tools and equipment
 - disposing of, recycling and reusing timber and other waste
- range of cutting patterns used with CNC sizing machines to achieve accurate dimensions and quality of the finished product
- characteristics of timber, timber products and timber defects
- system functions and capabilities of CNC software for sizing machines, including cutting patterns and sequences
- purpose, features and operation of CNC sizing machines:
 - CNC beam saws
 - CNC double end profiling machines
- methods for assessing saw blade condition.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - one or both types of CNC sizing machines
 - computer program for sizing machines
 - maintenance tools for CNC sizing operations
 - saw blades suitable for CNC sizing machines
 - PPE suitable for cutting material using CNC sizing machines

- engineered wood product or timber suitable for cutting operations using CNC sizing machines
- CNC program suitable for the cutting operations
- specifications:
 - manufacturer instructions for use and maintenance of equipment
 - work order with specific instructions for cutting material using CNC sizing machines
 - workplace policies and procedures for cutting material using CNC sizing machines, including health and safety and emergency procedures and environmental protection procedures
 - template documents for recording production outcomes, equipment faults and maintenance requirements.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>