



Australian Government

Assessment Requirements for FWPCOT3274 Cut timber products using high-speed optimiser

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 5.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that, on at least one occasion, the individual has:

- cut three or more of the following timber products using a high-speed optimiser, according to work order:
 - laminated veneer timber
 - plywood
 - chipboard
 - medium density fibreboard
 - dressed timber
 - preservative treated timber
 - finger jointed timber
- in doing the above job, the individual has:
 - read and clarified work order
 - followed relevant workplace health and safety and environmental protection procedures
 - prepared computer numerical control (CNC) optimising saw for cutting timber product at a specified length and angle
 - identified cutting pattern
 - set optimising software program
 - operated machine and equipment according to manufacturer procedures
 - monitored production output and quality
 - performed operator maintenance.

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:

- features, programming and operation of CNC optimising docking and trimming saws
- range of cutting patterns used with CNC optimising saws to achieve maximum output of timber product
- range of industry standard lengths, cross-sections and tolerances for relevant timber products and applicable terminology
- methods for assessing saw blade condition
- methods of monitoring production output and quality
- types of risk and hazards and mitigation measures associated with cutting timber products using high-speed optimisers
- workplace procedures specific to cutting timber products using high-speed optimisers:
 - workplace health and safety, with particular emphasis on equipment lock-out and use of personal protective equipment (PPE)
 - communication reporting lines
 - recording and reporting production outcomes, equipment faults and maintenance requirements
- environmental protection practices for timber processing or wood product manufacturing plants:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing timber and other waste.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a timber processing plant, a wood product manufacturing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - CNC optimising docking and trimming saws
 - a computer program for optimising saws
 - maintenance tools and equipment for optimising saws
 - consumable saw blades
 - PPE suitable for cutting timber using high-speed optimisers
 - three or more of the following types of timber products: laminated veneer timber, plywood, chipboard, medium density fibreboard, dressed timber, preservative treated timber, finger jointed timber
- specifications:

- template documents for recording production outcomes, equipment faults and maintenance requirements
- manufacturer instructions for use and maintenance of equipment
- work order with specific instructions for cutting material using high-speed optimisers
- workplace procedures for cutting material using high-speed optimisers.

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>