Assessment Requirements for FWPTMM2204 Machine material

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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 the individual has, on at least one occasion, safely set up and operated basic static machines for each of the following operations: sawing, planing, sanding and drilling; and has:

- followed work order and relevant workplace health and safety and environmental protection procedures
- set up machine
- performed sawing, planing, drilling and sanding operations on timbers and boards from one or more of the following in line with an individual work order:
    - native timber species
    - imported timber species
    - dressed timber
    - in-the-rough timber
    - stress and non-stress graded timber
    - preservative treated timber
    - medium density fibreboard
    - laminated veneer
    - chipboard
    - fibreboard and other manufactured board products
    - coated and/or treated timber products
    - beams or laminated beams
- completed operator maintenance on at least one occasion for each of the following types of machines:
    - sawing machine
    - planing machine
    - drilling machine
    - sanding machine.

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:

- environmental protection practices for forest products factory settings:
  - reducing water and energy use
  - cleaning plant, tools and equipment
  - disposing of, recycling and reusing timber and other waste
- storage layout and categories for:
  - raw materials
  - stacking finished materials
- machining characteristics of timber and timber defects
- cutting patterns and sequences
- industry standard cross-sections and lengths
- types, purpose, features, set-up, operation and non-specialist repair and maintenance of basic static machines:
  - measuring equipment
  - docking saws
  - bench saws
  - panel saws
  - band saws
  - panel planers
  - surface planers
  - drill presses
  - boring machines
  - edge sanders
  - profile sanders
  - panel sanders
  - stroke sanders
- reasons, methods and timing of inspection of condition of saw blade, knife, drill and sanding belt
- workplace procedures specific to machining activities:
  - workplace health and safety, with particular emphasis on equipment lock-out
  - use and maintenance of equipment
  - communication reporting lines
  - recording and reporting cutting process and equipment faults.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:

- skills must be demonstrated in a forest and forest products factory setting or an environment that accurately reflects workplace conditions
- resources, equipment and materials:
  - machining tools: docking saws, bench saws, panel saws, band saws, panel planers, surface planers, drill presses, boring machines, edge sanders, profile sanders, panel sanders, stroke sanders
  - measuring equipment
  - maintenance tools and equipment
  - consumable components for replacement during operator maintenance
  - personal protective equipment suitable for machining activities
  - commercially available timbers and boards
  - template reports for recording processing and equipment faults
- specifications:
  - manufacturer instructions for use and maintenance of equipment
  - access to work order for machining activities, with specific instructions for the machining and storage of timber and timber products
  - access to written workplace procedures for machining activities.

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