



**Australian Government**

# **Assessment Requirements for FWPCOT3226 Assess timber for manufacturing potential**

**Release: 1**

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## Modification History

| Release   | Comments                                                                              |
|-----------|---------------------------------------------------------------------------------------|
| Release 1 | This version released with FWP Forest and Wood Products Training Package Version 6.0. |

## 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 visually assessed at least three different types of timber for manufacturing potential for one timber wall frame and one timber roof or floor truss project, and has:

- used at least two of the following tools in assessments:
  - charts
  - gauges
  - picture cards
  - measuring equipment
- completed an assessment report for each project, identifying timber characteristics, defects and impacts on nail plate holding ability.

## 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:

- guidelines, codes and standards for provisions of relevant engineered strength ratings and timber ability to hold nail plates
- workplace policies and procedures relating to timber assessment:
  - labelling of assessed timber products
  - lines of communicating and reporting
  - reporting and recording outcomes
  - orientating components to make best use of timber characteristics
- workplace safety and environmental procedures for undertaking timber assessment and disposal of defective timber products
- characteristics, properties and limitations of potential timber products for manufacturing

- defects of hardwoods and softwoods timber products and impacts on nail plate holding ability:
  - wane/want and collapse
  - bow, spring and twist
  - cupping and other distortion
  - knots and knot holes
  - borer damage
  - gum/resin veins and pockets
  - decay
  - end splits, internal checks and surface checks
  - low density material
  - compression failures and fractures
  - durability
  - heart in material
  - joint strength
- industry standard timber species and materials and nail plate holding ability:
  - native timber species
  - imported timber species
  - dressed timber
  - in-the-rough timber
  - stress and non-stress graded timber
  - preservative treated timber
  - laminated veneer coated and treated timber products
- beams or laminated beams
- industry standard lengths, cross sections and grades, and impact on nail plate holding ability
- timber visual assessment techniques
- tools used to assess timber products:
  - charts
  - gauges
  - picture cards
  - measuring equipment
- industry terminology relating to assessing timber for manufacturing potential.

## Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
  - skills must be demonstrated in a timber fabrication workplace or an environment that accurately represents workplace conditions

- resources, equipment and materials:
  - tools to assess timber for manufacturing potential
  - at least three different types of timber to be assessed
- specifications:
  - access to work orders and standards and codes of practice related to assessing timber for manufacturing potential
  - access to workplace safety and environmental policies and procedures applicable to assessing timber in a fabrication workplace

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>