



**Australian Government**

# **FWPCOT3305 Interpret and quote from manufactured timber product plans**

**Release: 1**

# FWPCOT3305 Interpret and quote from manufactured timber product plans

## Modification History

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

## Application

This unit of competency describes the skills and knowledge required to process and prepare manual or electronic quotations from timber wall frame and timber floor and/or roof trusses product plans. It includes interpreting plan layouts and specifications to determine design, material types and material quantities to estimate costs.

The unit applies to timber truss or frame fabricators and timber systems designers who interpret plans and quote on timber and wood products and who take responsibility for organising and completing these tasks with a high degree of self-direction.

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

## Pre-requisite Unit

Nil

## Unit Sector

Common Technical (COT)

## Elements and Performance Criteria

| Elements                                         | Performance Criteria                                                                                                                                                                                                                                       |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                     |
| 1. Interpret plans and specifications            | 1.1 Identify type of structure and specified design requirements from product plans and specifications<br>1.2 Review design options for feasibility, ease of erection, material availability and site requirements, and confirm customer design preference |

| Elements                                          | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>  | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                   | 1.3 Identify any limitations or restrictions to specified design, and refer to engineer for clarification<br>1.4 Obtain additional information and data as required from appropriate person or other sources<br>1.5 Create functional and simple pictorial images of the project, including bracing and any additional structural support, based on design and specification requirements                                                                                                      |
| 2. Estimate components manually or electronically | 2.1 Identify project layout, dimensions for heights, spans and spacing<br>2.2 Identify location of load-bearing members and clarify any specific structural or construction/erection requirements<br>2.3 Determine type of materials, sectional sizes and lengths to be used for the project<br>2.4 Select timber type and species according to suitability and availability<br>2.5 Determine type of ancillaries for the project, and calculate quantities according to design specifications |
| 3. Prepare quotation                              | 3.1 Tally figures and ensure project design, production costs and any additional fees or costs are included<br>3.2 Calculate total cost and review quotation for completeness and accuracy according to workplace procedures<br>3.3 Prepare quotation and associated documentation for presentation                                                                                                                                                                                            |

## Foundation Skills

*This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.*

| Skill    | Description                                                                                                                                                                                          |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reading  | <ul style="list-style-type: none"><li>Extract design information from plan and specifications in preparation for quoting</li></ul>                                                                   |
| Numeracy | <ul style="list-style-type: none"><li>Interpret dimensions and numerical data from design plans specifications</li><li>Use formulas to calculate quantities, unit prices and total costing</li></ul> |

| Skill | Description                                                                                                            |
|-------|------------------------------------------------------------------------------------------------------------------------|
|       | <ul style="list-style-type: none"><li>Record precise numerical details of measurements, quantities and costs</li></ul> |

## Unit Mapping Information

| Code and title current version                                           | Code and title previous version                                                    | Comments                                                                                                                                                                                                    | Equivalence status |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| FWPCOT3305<br>Interpret and quote from manufactured timber product plans | FWPCOT3218 Quote and interpret from manufactured timber product plans              | Redesigned unit using content from FWPCOT3218 Quote and interpret from manufactured timber product plans and FWPCOT3220 Quote and interpret from computerised timber manufactured product plans<br>Retitled | Not Equivalent     |
| FWPCOT3305<br>Interpret and quote from manufactured timber product plans | FWPCOT3220 Quote and interpret from computerised timber manufactured product plans | Redesigned unit using content from FWPCOT3218 Quote and interpret from manufactured timber product plans and FWPCOT3220 Quote and interpret from computerised timber manufactured product plans<br>Retitled | Not equivalent     |

## Links

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