

Modification history

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 6.0
Release 1	This version released with FWP Forest and Wood Products Training Package Version 2.0.

FWPCOT3XXX	Interpret and quote from manufactured timber product plans
Application	<p>This unit of competency describes the skills and knowledge required to process and prepare manual or electronic quotations from timber wall frames 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.</p> <p>The unit applies to workers who plan and quote on timber and wood products in a facility that produces these products.</p> <p>This unit of competency is suitable for individuals who take responsibility for organising and completing these tasks with a high degree of self-direction</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Common technical (COT)

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 Read product plans and specifications to identify type of structure and specified design requirements 1.2 Review design options for customer preference, feasibility, ease of erection, material availability and any site requirements 1.3 Identify any limitations or restrictions to specified design and refer to engineer for clarification 1.4 Obtain additional information and data as required from appropriate person or other sources 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 2.2 Identify location of loading bearing members and clarify any specific structural or construction/erection requirements 2.3 Ascertain type of materials, sectional sizes and lengths to be used for the project 2.4 Establish and select timber type and species in line with suitability and availability 2.5 Determine type of ancillaries for the project and calculate quantities
3. Prepare quotation	3.1 Tally figures and ensure project design, production costs and any additional fees or costs are included 3.2 Calculate total cost and review quotation for completeness and accuracy in line with organisational procedures 3.3 Prepare quotation and associated documentation for presentation

Foundation Skills	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Extract design information from plan and specification in preparation for quoting
Writing	<ul style="list-style-type: none"> Develop and document written quotations in a clear format
Numeracy	<ul style="list-style-type: none"> Interpret dimensions and numerical data from design plans specifications Use measurements and formulas to calculate quantities, unit prices and total costing Record precise numerical details of measurements, quantities and costs

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3XXX Interpret and quote from manufactured timber product plans	FWPCOT3218 Quote and interpret from manufactured timber product plans FWPCOT3220 Quote and interpret from computerised timber manufactured product plans	<p>Major</p> <p>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</p> <p>Title - Re-named to Interpret and quote from manufactured timber product plans</p> <p>Application – updated statement to clarify unit outcome added the expected level of performance required in the workplace and</p> <p>Elements- merged and renamed elements to maintain outcomes from both units</p> <p>Performance Criteria – updated and re-sequenced to relate to the elements</p> <p>Foundation Skills – maintained and updated reading, writing and numeracy</p> <p>Performance Evidence – combined the outcomes from both units and included volume</p> <p>Knowledge Evidence – incorporated essential knowledge statements from the two units and listed under appropriate knowledge headings</p> <p>Minor</p> <p>Assessment Conditions – updated to stipulate mandatory conditions required in the workplace</p>	Equivalent unit

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

TITLE	Assessment requirements for FWPCOT3XXX Interpret and quote from manufactured timber product plans
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual:</p> <ul style="list-style-type: none"> • has prepared two quotations, one for a timber frame project and one for either a timber floor truss or a timber roof truss project, which: <ul style="list-style-type: none"> • has a minimum area of 100 square metres • the roof or floor truss project incorporates a minimum of three different truss types • conveyed technical information from plans and specifications in written, sketch or oral form • has accurately determined the size, section and length of materials manually or using a software program • has prepared and saved/filed a quotation in full and is accompanied with relevant production or installation documentation • produced and presented quotations within designated timeframes. 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • relevant building standards and codes: • timber floor truss, timber roof truss and timber wall frame: <ul style="list-style-type: none"> • spans and sectional sizes • loadbearing details • wind bracing and tie down requirements • relationship between component loads and supports and spans • organisational policies and procedures: <ul style="list-style-type: none"> • inclusions in and formatting of quotations • sources of costing materials and labour to manufacture • common industry terminology for all components of timber wall frames, roof and floor trusses • processes, procedures and techniques of: <ul style="list-style-type: none"> • using different methods to manually calculate quantities using tables and scientific calculators • preparing and documenting computerised quotations • using various software programs to calculate quantities and costing • various software programs: <ul style="list-style-type: none"> • functions and capabilities • methods of data input and amend design factors • methods of storing/saving and retrieving quotation documentation and data. 	
Assessment Conditions	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions <ul style="list-style-type: none"> • skills must be demonstrated in the workplace or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • computers, keyboards and industry current software programs used to produce documents • scientific calculators • project quotation templates or similar documents • specifications: <ul style="list-style-type: none"> • relevant building codes and standards • design plans, technical specifications and notes for timber wall frames, timber roof and floor trusses on which to base a quotation • current material price lists, product description sheets or manuals; either electronic or hard copy <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocation education and training legislation, frameworks and/or standards.</p>	

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