

**Modification history**

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

FWPCOT3XXX	Assemble timber wall frames
<b>Application</b>	This unit of competency describes the skills and knowledge required to assemble construction-ready timber wall frame sections. It includes packing and strapping frames in readiness for transport to a construction site. Work is completed in a timber and wood products production setting. The unit applies to timber manufactured products technicians, jig setters, machine and saw operators. A person working at this level would be expected to take responsibility for organising and completing tasks assigned to them without close supervision. No licensing, legislative, or certification requirements apply to this unit at the time of publication.
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	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. Prepare for assembly	1.1 Read and interpret work order and job design and specifications to recognise and identify timber wall frame assembling details 1.2 Read and interpret workplace safety documentation to recognise safety procedures and requirements relating to timber frame assembly 1.3 Establish type and determine quantity of material required for the project 1.4 Determine type of connectors and bracing for frames 1.5 Select, fit and use appropriate personal protective equipment (PPE) 1.6 Select appropriate tools and equipment, check for serviceability and report any faults or damage 1.7 Determine job priorities and sequence job tasks in consultation with others in the workplace
2. Set up for timber frame assembly	2.1 Carry out a pre-start check on equipment and machinery 2.2 Prepare setup assembly table or jigs required for assembling frames 2.3 Select pre-cut timber components and accurately position pre-cut members to align with marking or jigs 2.4 Reject and dispose of defective material in line with workplace and environmental requirements 2.5 Use selected tools to accurately and firmly fix timber components to comply with acceptable tolerances 2.6 Check frame for parallel and square and fix specified bracing 2.7 Locate connector plates and strapping from job specification and fix securely
3. Prepare products for despatch	3.1 Check finished product for quality and label in line with work order 3.2 Remove frame from jigs and safely stack in designated location 3.3 Strap, pack, label, protect from damage and pre-sling finished products ready for transportation 3.4 Avoid wastage of strapping and packaging materials and maximise use of recycled materials 3.5 Record and report production outcomes and problems following organisational reporting procedures to appropriate person

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
4. Clean up	4.1 Clean the work area and recycle, reuse or dispose of waste following workplace and environmental requirements 4.2 Clean and maintain tools, equipment and machinery and report any faults or damage to appropriate person 4.3 Return and safely store tools and equipment to their designate area

<b>Foundation Skills</b>	
<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>	
<b>Skill</b>	<b>Description</b>
Oral communication	<ul style="list-style-type: none"> <li>Report problems, faults or damage clearly and concisely using appropriate terminology</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
FWPCOT3XXX Assemble timber wall frames	FWPCOT3241 Assemble timber wall frames	Application clarified Elements renamed Performance Criteria re-sequenced Foundation Skills and Assessment Requirements update	Equivalent unit

<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47</a>
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<b>TITLE</b>	<b>Assessment requirements for FWPCOT3XXX Assemble timber wall frames</b>
<b>Performance Evidence</b>	
<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 has assembled a minimum of 50 lineal metres of timber wall frames that include:</p> <ul style="list-style-type: none"> <li>• load bearing and non-loadbearing frames</li> <li>• internal, external corners and T-intersections</li> <li>• strapping, packing, labelling and pre-slinging completed products ready for transportation.</li> </ul>	

<b>Knowledge Evidence</b>	
<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"> <li>• organisational quality requirements</li> <li>• workplace and environmental requirements: <ul style="list-style-type: none"> <li>• disposing, recycling and reusing waste materials</li> </ul> </li> <li>• workplace safety: <ul style="list-style-type: none"> <li>• safe operation of machinery, tools and equipment</li> <li>• exposure to excessive noise</li> <li>• hazardous manual tasks</li> <li>• hierarchy of control</li> <li>• use of personal protective equipment (PPE)</li> <li>• exposure to dust</li> </ul> </li> <li>• processes, procedures and techniques of: <ul style="list-style-type: none"> <li>• flow of material supply in and out of the wall frame assembly area</li> <li>• assembly sequences using a jig or assembly table</li> <li>• stacking and storing materials</li> <li>• labelling products for identification and transportation</li> <li>• stacking, binding and protecting finished products ready for dispatch</li> <li>• communicating across reporting lines</li> <li>• recording and reporting assembly outcomes and equipment faults</li> </ul> </li> <li>• functional and operational features of tools, equipment and machinery <ul style="list-style-type: none"> <li>• measuring and marking equipment</li> <li>• electric circular saws</li> <li>• docking saws</li> <li>• drills</li> <li>• assembly jigs</li> <li>• assembly table</li> <li>• staple and nail guns</li> <li>• compressor or compressed air supply</li> <li>• strapping equipment</li> </ul> </li> <li>• characteristics, properties and limitations of timber products and components: <ul style="list-style-type: none"> <li>• hardwood, softwood and manufactured timber product</li> <li>• various metal connector plates and straps</li> </ul> </li> <li>• timber defects <ul style="list-style-type: none"> <li>• warp</li> <li>• wane</li> <li>• cupping</li> <li>• shakes</li> <li>• insect defects</li> <li>• knots</li> <li>• resin pockets</li> </ul> </li> <li>• industry terminology related to timber wall assembly <ul style="list-style-type: none"> <li>• studs</li> <li>• top and bottom plates</li> </ul> </li> </ul>	

<b>Knowledge Evidence</b>	
<ul style="list-style-type: none"> <li>• lintels</li> <li>• trimmers</li> <li>• nogging</li> <li>• bracing</li> <li>• typical assembly faults triggering correction to ensure product quality:             <ul style="list-style-type: none"> <li>• incorrectly positioned joints</li> <li>• timber splits from nailing</li> <li>• incorrectly positioned hardware.</li> </ul> </li> </ul>	
<b>Assessment Conditions</b>	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions:             <ul style="list-style-type: none"> <li>• skills must be demonstrated in the workplace or an environment that accurately represents workplace conditions</li> </ul> </li> <li>• resources, equipment and materials:             <ul style="list-style-type: none"> <li>• timber products and components to assemble timber frames</li> <li>• equipment, tools and machinery to assemble, bind and protect contents</li> </ul> </li> <li>• specifications:             <ul style="list-style-type: none"> <li>• organisational policies and procedures</li> <li>• workplace safety and environmental documentation</li> <li>• job design specifications and work orders</li> </ul> </li> <li>• relationships:             <ul style="list-style-type: none"> <li>• supervisor or team member</li> </ul> </li> </ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
<b>Links</b>	<p>Companion Volumes, including Implementation Guides, are available at VETNet:  <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47</a></p>