

Modification history

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

FWPTMM3XXX	Assemble timber floor trusses
Application	<p>This unit of competency describes the skills and knowledge required to plan, set up and assemble timber floor trusses using a purpose built jig or computer-operated truss table. It includes the operation and control of a truss press.</p> <p>The unit applies to machine operators and product technicians in a timber and wood products production environment at either a truss/frame fabrication facility or timber merchant's facility.</p> <p>A person working at this level would be expected to take responsibility for organising and completing tasks assigned to them without close supervision.</p> <p>No licensing, legislative, or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Timber Manufactured Products (TMM)

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 floor truss details 1.2 Read and interpret workplace safety documentation to recognise safety procedures and requirements relating to timber floor truss assembly 1.3 Establish type and determine quantity of material required for the project 1.4 Determine type of nail plates and components required from specifications 1.5 Select appropriate tools and equipment and check for serviceability in line with manufacturer's recommendations 1.6 Determine job priorities and sequence job tasks in consultation with others in the workplace 1.7 Select, fit and use personal protective equipment (PPE) appropriate for the task
2. Set up for floor timber truss assembly	2.1 Prepare, set-up and adjust assembly table or jigs to specified floor truss pattern configuration 2.2 Select and position pre-cut material to include webs, overhang and other design requirements 2.3 Discard defective or unsuitable components 2.4 Clamp components in jigs and check for fit and allowable tolerances 2.5 Select and position steel nail plates accurately over joints in line with job specifications
3. Control pressing operations	3.1 Conduct a pre-operation check on truss press equipment 3.2 Carry out inspection of initial truss to ensure all nail plates are fixed to meet job requirements 3.3 Coordinate and operate truss-pressing operations to ensure finished product complies with job specifications 3.4 Assess finished product for quality against job specification and label in line with work order

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
4. Prepare products for despatch and report	4.1 Remove components from assembly table or jigs and safely stack in designated location following workplace safety requirements 4.2 Strap, pack and label finished product ready for transportation 4.3 Report equipment faults or production problems to appropriate personnel 4.4 Complete and maintain accurate records and reports of assembly outcomes in line with workplace procedures
5. Clean up	5.1 Clean the work area and recycle, reuse or dispose of waste following workplace and environmental requirements 5.2 Clean and maintain tools, equipment and machinery and report any faults or damage to appropriate person 5.3 Return and safely store tools and equipment to their designate area

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
Writing	<ul style="list-style-type: none"> • Produce labels using clear and legible writing • Complete records, reports or forms to convey information using correct grammar and punctuation

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
FWPTMM3XXX Assemble timber floor trusses	FWPTMM3207 Set up timber floor trusses	Redesigned unit using content from FWPTMM3207 Set up timber floor trusses and FWPCOT3243 Operate a truss press Re-titled	No 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
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TITLE	Assessment requirements for FWPTMM3XXX Assemble timber floor trusses
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 has:</p> <ul style="list-style-type: none"> • assembled a minimum of four different types of floor trusses and produced a minimum of ten products for each truss type • assembled pre-cut timber truss members and nail plate components with allowable tolerances and to job specifications • set up and operated a truss press • prepared timber truss products for dispatch according to job design and specifications. 	
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"> • organisational quality requirements • workplace and environmental requirements: <ul style="list-style-type: none"> • disposing, recycling and reusing waste materials • workplaces safety: <ul style="list-style-type: none"> • hierarchy of control • electrical hazards • safe operation of machinery and equipment • exposure to excessive noise • hazardous manual tasks • use of personal protective equipment (PPE) • exposure to dust • processes, procedures and techniques of: <ul style="list-style-type: none"> • flow of material supply in and out of the floor truss assembly area • assembly sequences and jig and press operation • stacking and storing materials • labelling products for identification and transportation • stacking, binding and protecting finished products ready for dispatch • communicating across reporting lines • recording and reporting assembly outcomes and equipment faults • functional and operational features of tools, equipment and machinery <ul style="list-style-type: none"> • measuring and marking equipment • electric circular saws • docking saws • drills • assembly jigs • assembly table • nail plate presses • staple and nail guns • compressor or compressed air supply • strapping equipment • characteristics, properties and limitations of timber products and components: <ul style="list-style-type: none"> • hardwood, softwood and manufactured timber product • various metal connector plates • timber defects and impact on finished product: <ul style="list-style-type: none"> • warp • wane • cupping • shakes • insect defects • knots 	

Knowledge Evidence	
<ul style="list-style-type: none"> • resin pockets • industry terminology related to floor truss assembly. 	
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"> • timber products and connector plates • assembly tables or jigs and press equipment to produce timber floor trusses • specifications: <ul style="list-style-type: none"> • organisational policies and procedures • job design specifications and work orders • workplace safety and environmental documentation • relationships: <ul style="list-style-type: none"> • supervisor or team member <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	<p>Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47</p>