

Modification history

| Release | Comments |
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| Release 2 | This version released with FWP Forest and Wood Products Training Package Version [4.0] Version created to update workplace health and safety requirements in performance criteria and clarify intent of unit and assessment requirements. |
| Release 1 | This version replaces equivalent unit FPICOT2230B Assemble products, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format. |

| UNIT CODE | FWPCOT2230 Assemble products |
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| Application | <p>This unit of competency describes the skills and knowledge required to prepare and assemble construction-ready <u>timber products</u>. <u>Work also involves ; and to stacking, strapstrapping and despatching them-assembled timber products</u> in readiness for transport to a construction site. Work is completed in a forest products factory setting.</p> <p>The unit applies to <u>individuals who workers that assemble products for despatch in a timber product manufacturing facility. Operators generally work under broad or limited direction to complete routine activities related to own work and take responsibility for their work.</u></p> <p><u>All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace. in a forest products factory setting.</u></p> <p>No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.</p> |
| Prerequisite Unit | Nil |
| Unit Sector | Timber Manufactured Products Wood Panel Products Sawmilling and Processing |

| Elements | Performance Criteria |
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| <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 <u>work</u> | <p>1.1 Review construction plans and work order and where required clarify with appropriate personnel</p> <p><u>1.2 Follow workplace health and safety requirements, environmental protection practices and emergency procedures and use personal protective equipment (PPE) in line with operational requirements throughout assembly work</u></p> <p><u>1.3 Identify and report hazards, accidents, incidents and/or near misses in line with operational requirements and health and safety legislative requirements to maintain safe work practices</u></p> <p>1.2.4 Identify and obtain type and quantity of material to be assembled and hardware</p> <p>1.3.5 Select appropriate tools and equipment and check for operational effectiveness in line with manufacturer recommendations</p> <p><u>1.4.3 Identify and prepare set-up jigs required for construction</u></p> |

| Elements | Performance Criteria |
|---|---|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i> |
| 2. Set up <u>timber</u> components | 2.1 Select timber components from pre-cut material in line with cutting list 2.2 Reject material with defects and dispose of in line with environmental protection practices 2.3 Use equipment in line with <u>organisational workplace health and safety</u> procedures, manufacturer instructions <u>and</u> environmental protection practices 2.4 Position and clamp <u>timber</u> components in jigs ready for joining with allowable faults, joints and grain in line with construction standards and grading rules 2.5 Staple <u>timber</u> components to maintain temporary alignment during assembly |
| 3. Install assembly hardware | 3.1 Position and install hardware on joints in line with and construction plan 3.2 Nail or staple temporary bracing to product in line with construction standards 3.3 Correct assembly faults 3.4 Identify routine processing and equipment faults and resolve or report to appropriate personnel |
| 4. Prepare <u>timber</u> products for despatch and report | 4.1 Check finished <u>timber</u> product for quality and label in line with work order 4.2 Remove <u>timber components product</u> from jigs and safely stack in designated location 4.3 Strap, pack and label finished <u>timber</u> products ready for transportation 4.4 Avoid wastage of strapping and packaging materials and maximise use of recycled materials 4.5 Complete production and quality records and report in line with organisational procedures |

| Foundation Skills | |
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| <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 |
| Numeracy | <ul style="list-style-type: none"> interpret production data from construction plans and work order to: <ul style="list-style-type: none"> count quantities of materials and hardware components and select appropriate sizes complete routine calculations for component layouts accurately measure lengths and angles |
| Oral communication | <ul style="list-style-type: none"> ask questions and actively listen to clarify contents of construction plans and work orders make accurate verbal reports on processing and equipment faults |
| Reading | <ul style="list-style-type: none"> interpret: <ul style="list-style-type: none"> workplace health and safety and other organisational procedures construction plans and work orders manufacturer instructions |
| Writing | <ul style="list-style-type: none"> produce basic clear labels for product identification and transportation complete accurate basic records for production outcomes, equipment faults and maintenance requirements |
| Plan and organise | <ul style="list-style-type: none"> efficiently and logically sequence the stages of preparation and production using work order and construction plan to guide activities |
| Problem-solving | <ul style="list-style-type: none"> identify and dispose of defective materials recognise faulty equipment and resolve by reporting or rectifying |
| Technology | <ul style="list-style-type: none"> select and use appropriate machinery, tools and personal protective equipment used for assembling products |

| Unit Mapping Information | | | |
|---------------------------------------|--|---|---------------------------|
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FWPCOT2230 Assemble products | FWPCOT2230 Assemble products | Updated workplace health and safety requirements in performance criteria and clarified intent of unit and assessment requirements | Equivalent unit |

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| Links | Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47 |
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| TITLE | Assessment requirements for FWPCOT2230 Assemble products |
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| Performance Evidence | |
| <p>An individual demonstrating competency must satisfy all of the elements, performance criteria and foundation skills of this unit. There must be evidence that, on at least one occasion, the individual has:</p> <ul style="list-style-type: none"> • constructed <u>one or more of the following timber</u> products in line with an individual work order and construction plan for each-; Products for construction will be one or more of the following: <ul style="list-style-type: none"> • pallets • crates • trellises • stairs • doors • windows • beams • strapped, packed and labelled bundles of completed <u>timber</u> products ready for transportation. | |
| 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"> • <u>health and operational hazards or risks related to assembling timber products as identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides</u> • organisational procedures specific to assembling <u>timber</u> products: <ul style="list-style-type: none"> • workplace health and safety with particular emphasis on equipment lock out • use of equipment • communication reporting lines • recording and reporting production outcomes and equipment faults • environmental protection practices for forest products factory settings<u>timber product manufacturing facilities</u>: <ul style="list-style-type: none"> • reducing water and energy use • cleaning plant, tools and equipment • disposing of, recycling and reusing timber • typical <u>timber</u> component defects and how these affect ability to produce a quality finished product: <ul style="list-style-type: none"> • warp • wane • cupping • shakes • insect defects • knots • resin pockets • assembly sequences • componentry and construction standards • typical assembly faults triggering correction to ensure <u>timber</u> product quality including: <ul style="list-style-type: none"> • incorrectly positioned joints • timber splits from nailing • incorrectly positioned hardware • storage layout and categories for stacking finished timber material<u>products</u> • types of tools and equipment used for assembling <u>timber</u> products; their purpose, features and operation: <ul style="list-style-type: none"> • measuring equipment • assembly jigs • nail plate presses • staple guns • nail guns • compressor or compressed air supply • marking equipment | |

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| Knowledge Evidence |
| <ul style="list-style-type: none"> strapping equipment. |

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| Assessment Conditions |
| <p>Assessment of skills 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 an environment that accurately represents workplace conditions resources, equipment and materials: <ul style="list-style-type: none"> tools and equipment used to assemble products: <ul style="list-style-type: none"> measuring equipment assembly jigs nail plate presses staple guns nail guns compressor or compressed air supply marking equipment strapping equipment assembly hardware: <ul style="list-style-type: none"> nailing plates gang nails nail gun nails staples personal protective equipment suitable for assembling products pre-cut sections of timber specifications: <ul style="list-style-type: none"> manufacturer instructions for equipment use work order and construction plan with specifications for assembling products template documents for recording production outcomes and equipment faults workplace health and safety and emergency procedures environmental protection procedures organisational procedures for assembling timber products. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p> |

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