Modification history

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| Release | Comments |
| Release 1 | This version released with FWP Forest and Wood Products Training Package Version 4.0. |

| UNIT CODE | FWPWPP3XXX Operate a continuous press for the production of engineered wood panels |
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| Application | This unit of competency describes the skills and knowledge required to set-up, operate and shut down a continuous press used in the production of engineered wood panels.  The unit applies to individuals who work as production operators and technicians in an engineered wood panel facility. Operators generally work under broad or limited direction to complete routine activities related to own work and take responsibility for their work.  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.  No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Wood Panel Products  Timber Manufactured Products |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Prepare for pressing operation | 1.1 Review and check work order, workplace health and safety requirements, environmental protection practices and emergency procedures for pressing operation with appropriate personnel  1.2 Identify and report hazards and use personal protective equipment (PPE) in line with workplace requirements and health and safety legislation to maintain safe work practices  1.3 Select type and quantity of chips, flakes or fibre to be pressed, from storage location  1.4 Conduct pre-start checks on equipment in line with manufacturer recommendations and site requirements  1.5 Plan pressing process in line with site procedures  1.6 Communicate plan with relevant personnel as required, to ensure safety and production requirements are met |
| 2. Form, press, test and transfer finished engineered wood panels | 2.1 Set and adjust press pressures, temperatures and product parameters according to production requirements  2.2 Check operational condition and set-up of former to confirm mat condition  2.3 Check forming equipment for defects and position to load press in line with standard operating procedures  2.4 Press engineered wood panels while monitoring and adjusting panel position, feed rate, mat condition and press condition  2.5 Plan size changes and line speeds to meet production schedules  2.6 Regularly assess pressed engineered wood panels and thickness changes and make necessary changes to former, press set-up and blending requirements  2.7 Test engineered wood panels samples to confirm adherence to industry standard and reject defective panels  2.8 Dispose of defective engineered wood panels in line with environmental protection requirements  2.9 Transfer finished engineered wood panels for further processing in line with site requirements |
| 3. Shut down, clean equipment and record information | 3.1 Shut down equipment in coordination with designated stop time and other line operators, in line with site procedures  3.2 Separate and remove engineered wood panel and forming equipment from press using unloading equipment  3.3 Strip and clean blending equipment, press and handling equipment in line with standard operating procedures  3.4 Clear foreign material, dust and debris from machine area in line with workplace requirements  3.5 Record and report pressing process and equipment faults to appropriate personnel |

| 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. | |
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| Skill | Description |
| Numeracy | * monitor gauges, dials, instruments displaying numerical information, cycle times * estimate feed rate and line speed to meet production requirements * measure moisture content, weight, thickness and density of panels during testing |
| Navigate the world of work | * understand main tasks, responsibilities and boundaries of own role |
| Interact with others | * use modes of communication suitable to purpose to confirm and clarify understanding |
| Get the work done | * recognise and respond to routine problems |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FWPWPP3XXX Operate a continuous press for the production of engineered wood panels | FWPWPP3226 Operate a continuous press | Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements; changed unit title and code for compliance and consistency with the updates | 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> |

| TITLE | Assessment requirements for FWPWPP3XXX Operate a continuous press for the production of engineered wood panels |
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| Performance Evidence | |
| 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:   * followed workplace health and safety requirements and environmental protection procedures for forming and pressing engineered wood panels * operated blending and continuous press equipment to bond and produce engineered wood panel in line with production requirements * identified defective engineered wood panels using visual assessment and by testing sample panels * disposed of defective engineered wood panels * redistributed finished engineered wood panels onsite using designated equipment * performed lock-out procedure and clean press equipment according to workplace health and safety procedure * recorded and reported forming and pressing process information (production, quality, faults) using workplace specific recording and reporting channels and protocols (manual or computer-based log, communication with relevant personnel). | |

| Knowledge Evidence |
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| 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:   * health and operational safety hazards or risks related to forming and pressing engineered wood panels as identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides * workplace procedures specific to forming and pressing engineered wood panels: * health and safety with particular emphasis on equipment lock out, emergency procedures, use of personal protective equipment and handling hazardous substances * use, operation and maintenance of forming and pressing equipment * communication reporting lines * recording and reporting production outcomes and equipment faults * environmental protection practices for forming and pressing engineered wood panels: * reducing water and energy use * cleaning plant, tools and equipment * identifying and disposing of engineered wood panels and waste materials * engineered wood panels defects: surface blemishes, discolouration, natural timber defects, deformities, clean scalping from 'pendistors' * ingredients and blending methods used in the engineered wood panels pressing process * chip, flake and fibre characteristics * procedures for testing engineered wood panel samples to check conformance with industry standard * adjustment of feed rates to meet production requirements * common pressed engineered wood panel types: medium density fibreboard, chipboard, fibreboard * . |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * skills must be demonstrated in an environment that accurately represents workplace conditions * resources, equipment and materials: * personal protective equipment required for operating a continuous press * continuous press with continuous forming line * forming equipment * chips, flakes or fibre, binding ingredients, hardening agents * transfer equipment * manual or computer-based log to record production, quality and fault information * specifications: * work order * pre-start checklist * template documents for recording production outcomes, equipment faults and maintenance requirements * workplace procedures for forming and pressing engineered wood panels including health and safety and emergency procedures and environmental protection procedures * relationships: * relevant personnel for the purposes of communicating information.   Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards. |

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