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 | FWPCOT3XXX Plane or sand timber or engineered wood products |
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| Application | This unit of competency describes the skills and knowledge required to plane or sand the surfaces of timber and engineered wood products in a timber manufacturing facility, optimising product thickness while retaining its integrity.  The unit applies to individuals who work as timber products technicians and production workers. 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 | Common Technical |

| 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 planing or sanding timber or engineered wood product | 1.1 Review work order workplace health and safety requirements, environmental protection practices and emergency procedures for timber dressing operation and where required check with appropriate personnel  1.2 Identify and report hazards and use personal protective equipment (PPE) in line with workplace requirements and health and safety legislative requirements to maintain safe work practices  1.3 Obtain type and quantity of timber or engineered wood product for planing or sanding from the production process |
| 2. Plane or sand timber or engineered wood product | 2.1 Use equipment in line with workplace health and safety procedures, manufacturer instructions and environmental protection practices  2.2 Complete pre start-up checks and set planing or sanding thickness and feed rate for optimal product recovery  2.3 Position material and feed at rate appropriate to machine speed, capacity, timber or engineered wood product thickness and condition  2.4 Plane or sand timber or engineered wood product to specification and assess product visually throughout process for thickness, finish quality and faults  2.5 Coordinate outfeed to ensure efficient recovery of planed or sanded material  2.6 Check dust extraction equipment regularly and clean to avoid blockages |
| 3. Redistribute material | 3.1 Grade finished timber or engineered wood product for quality and use in line with industry standards  3.2 Direct material to storage or processing operations in line with workplace procedures  3.3 Dispose of sub-standard material in line with environmental protection practices  3.4 Clean work area in line with workplace health and safety procedures |
| 4. Complete operator maintenance | 4.1 Lock out equipment in line with workplace health and safety procedures  4.2 Check planer blades or sanding belts for bluntness or damage  4.3 Remove and replace planer blades or sanding belts in line with manufacturer recommendations  4.4 Keep machine area clear of dust and debris in line with workplace health and safety procedures  4.5 Record and report production outcomes, equipment faults and maintenance requirements 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 |
| Oral communication | * ask open and closed probe questions and actively listen to clarify contents of work orders |
| Numeracy | * identify quantities of required material within work orders and count numbers of timber or engineered wood products * interpret order sizes and set up equipment to achieve correct dimensions and grades * calculate the feed rate to optimise quality and quantity of production output |
| 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 |
| FWPCOT3XXX Plane or sand timber or engineered wood products | FWPCOT3228 Plane/sand panels | 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 Volume Implementation Guide - <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47> |

| TITLE | Assessment requirements for FWPCOT3XXX Plane or sand timber or engineered wood products |
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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 policies and procedures relevant to planing or sanding timber or engineered wood product * planed or sanded timber or engineered wood product in readiness for application or for interim storage * redistributed material on site using designated equipment * conducted operator maintenance on planing or sanding equipment. | |

| 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 safety hazards or risks related to operating equipment for planing or sanding timber or engineered wood products as identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides * workplace policies and procedures specific to planing or sanding timber or engineered wood products: * health and safety with particular emphasis on equipment lock out and use of personal protective equipment * use of timber planing or sanding equipment * communication reporting lines * recording and reporting production outcomes, equipment faults and maintenance requirements * environmental protection practices for timber manufacturing facility settings: * reducing water and energy use * cleaning plant, tools and equipment * disposing of, recycling and reusing timber and other waste planning or sanding techniques * methods of visual inspection of timber or engineered wood products for thickness, finish quality and faults * characteristics of timber or relevant engineered wood product * typical flow of material supply in and out of the planing or sanding area * typical work flow processes and sanding techniques for optimising thickness, finish and quality of timber or engineered wood product * typical timber or engineered wood product defects and how they affect ability to produce quality finished product: * warp * wane * cupping * shakes * insect defects * knots * resin pockets * lifting veneer * bonding problems * key features of, and applicable terminology for, industry standard grades for re-classifying quality and use of planed or sanded timber or engineered wood products * purpose, features and operation of equipment used to plane or sand timber or engineered wood products: * panel planers or thicknessers * surface planers or buzzers * drum sanders * panel sanders * veneer sanders * stroke sanders * dust extraction equipment: * machine specific dust extraction systems with collection bags * hopper-based extraction systems * methods for assessing condition of planer blades or sanding belts. |

| 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: * planing or sanding equipment * dust extraction equipment * maintenance tools and equipment for planers or sanders * consumable planer blades or sanding belts * personal protective equipment suitable for planing or sanding timber or engineered wood product * commercial timber or engineered wood products * specifications: * manufacturer instructions for use and maintenance of equipment * work order with specific instructions for planing or sanding timber or engineered wood product * workplace procedures for planing or sanding panels timber or engineered wood product including health and safety and emergency procedures and environmental protection procedures * template documents for recording production outcomes, equipment faults and maintenance requirements.   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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| Links | Companion Volumes, including Implementation Guides, are available at VETNet:  <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47> |