Modification history

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| Release | Comments |
| Release 1 | This version released with FWP Forest and Wood Products Training Package Version 5.0. |

| FWPCOT3XXX | Replace saw blades, knives and guides |
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| Application | This unit of competency describes the skills and knowledge required to remove blunt or damaged saw blades, knives and guides from circular saws, band saws, chippers and canter and install reconditioned cutting components.  The unit applies to individuals who replace saws blades, knives and guides in saws, chippers and canters in a timber processing or manufacturing facility.  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 occupational licensing, legislative 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 replacement | 1.1 Review work order to determine job requirements and where required seek clarification from appropriate personnel  1.2 Identify and apply workplace health and safety requirements, including the use of personal protective equipment, equipment lockout and safe manual handling techniques  1.3 Identify, assess and take actions to mitigate risks and hazards associated with removing and replacing saw blades, knives and guides in saws and cutting equipment  1.4 Identify and implement workplace procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency  1.5 Select appropriate repair and maintenance tools and equipment, including lifting equipment if required, and check for operational effectiveness  1.6 Transport saw blades, knives or guides for replacement to designated machines, using mechanical lifting aids as required |
| 2. Replace saws, blades or guides | 2.1 Lock-out machine and equipment according to workplace procedures and remove mechanical and safety components to provide access to saws blades, knives or guides without damaging components  2.2 Store removed components temporarily in a safe location  2.3 Remove and replace saws blades, knives or guides according to manufacturer recommendations  2.4 Replace and secure mechanical and safety components according to manufacturer recommendations  2.5 Check serviced machine and equipment for correct alignment, position and overall free operational performance  2.6 Dispose of used saws blades, knives or guides according to environmental protection practices or transfer for reconditioning  2.7 Record and report processing problems 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 | * Measure precise alignment of blades and guides to specification * Use standard units of measurement to determine the precise location of components of saws and cutting equipment |
| Navigate the world of work | * Identify 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 Replace saw blades, knives and guides | FWPCOT3212 Replace saws, blades and guides | Reworded Application statement for clarity; updated unit code and title for clarity and compliance. | Equivalent |

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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 FWPCOT3XXX Replace saw blades, knives and guides |
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| Performance Evidence | |
| An individual demonstrating competency must satisfy all the elements and performance criteria in this unit. There must be evidence that, on at least one occasion, the individual has:   * reviewed work order * safely removed and replaced saw blades, knives or guides in one or more of the following types of saws and cutting machines: * circular saws * narrow or wide band saws * chippers * canters * safely disposed of obsolete saw blades, knives or guides. | |

| 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:   * purpose, features and operation of tools and equipment used to remove and replace saws blades, knives and guides in saws, chippers and canters: * spanners * wrenches and sockets * mechanical lifting aids including: * block and chain * pedestrian operated crane * pulley system * methods for: * isolation of machine and equipment * removing mechanical and safety components without damaging these * removing saws blades and knives from saws, chippers and canters * installing and checking replacement saws blades and knives for correct alignment and free operation * features and names of different parts of saw blades and knives for: * circular saws * chippers * canters * narrow and wide band saws * mechanical and safety equipment components and their positioning and tolerance specifications in relation to other components including: * electrical motors * riving knives * access covers * saw guards * extraction equipment * environmental protection practices for repairing and maintaining tools and equipment in timber processing and manufacturing facilities: * reducing water and energy use * cleaning plant, tools and equipment * disposing of, recycling and reusing materials * types of risk and hazards and mitigation measures associated with replacing saw blades, knives and guides * workplace procedures specific to replacing saw blades, knives and guides : * workplace health and safety with particular emphasis on equipment lockout, the use of personal protective equipment (PPE) and safe manual handling techniques * communication reporting lines * recording and reporting processing problems and equipment faults. |

| Assessment Conditions |
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| Assessment of the skills in this unit of competency must take place under the following conditions:   * physical conditions: * skills must be demonstrated in a timber processing or manufacturing facility or an environment that accurately represents workplace conditions * resources, equipment and materials: * one or more of the following types of saws and cutting machines for which saws blades, knives and guides are to be replaced: circular saw, chippers, canters, narrow and wide band saws * new or reconditioned saw blades, knives or guides for those machines * mechanical lifting aids * spanners, wrenches and sockets * PPE suitable for replacing saws, blades and guides * specifications * template documents for recording processing problems and equipment faults * manufacturers instructions for use, repair and maintenance of equipment * work order with specific instructions for replacing saws, blades and guides in specified machine * workplace procedures for replacing saw blades, knives and guides in saws, chippers and canters.   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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