Modification history

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| Release | Comments |
| Release 1 | This version released with Forest and Wood Products Training Package Training Package Version 7.0. |

| FWPFGM5XXX | Implement practices to maximise value from wood residues |
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| Application | This unit of competency describes the skills and knowledge required to evaluate and implement effective wood management practices that ensure maximum product value recovery and adherence to environmentally sustainable principles. It can apply to the full scope of forest and wood products industry workplaces and to operations of all sizes.  The unit applies to individuals who are responsible to maximise product value recovery in forest operations.  All work must be carried out to comply with workplace procedures according to state/territory health and safety and food safety regulations, legislation and standards that apply to the workplace.  No licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Core |

| 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. Scope a value maximisation plan | 1.1 Review management plans and workplace priorities with respect to value maximisation requirements  1.2 Identify required production authorisations, determine timeline and budget and check with appropriate personnel  1.3 Determine applications and demand for wood and residue material and document according to workplace procedures  1.4 Determine and document any special process requirements and product value chain  1.5 Consult with stakeholders to obtain input to the plan  1.6 Determine and document most appropriate value maximisation options for the organisation or site |
| 2. Develop and document a value maximisation plan | 2.1 Identify legal, workplace, environmental protection and best practice parameters governing wood management practices  2.2 Determine and document in the plan the most appropriate value maximisation practices for the workplace  2.3 Document methodology, schedule, budget and legal requirements for implementation of value maximisation practices  2.4 Define technology, materials and resources required for implementation of value maximisation plan  2.5 Develop value maximisation plan and submit to the appropriate personnel for approval |
| 3. Implement value maximisation practices | 3.1 Implement value maximisation practices identified in the plan according to methodology, schedule, budget and legal requirements  3.2 Obtain required authorisations for use of technology, materials and resources  3.3 Communicate production schedule for value maximisation plan to appropriate personnel  3.4 Establish processes to monitor implementation of the plan |
| 4. Review implementation of value maximisation plan | 4.1 Monitor value maximisation plan and review against methodology and production schedule  4.2 Analyse information and data to determine effectiveness of value maximisation practices  4.3 Prepare improvement recommendations based on information, data analysis and consultative processes  4.4 Record and report outcomes 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 | * Engage in high-level consultative discussions to generate ideas for and negotiate content of value maximisation plans |
| Reading | * Interpret complex written information in a range of internal and external source documents to plan maximisation practices |
| Writing | * Develop and document comprehensive value maximisation plans in a style and format easily understood by a range of employees |
| Numeracy | * Interpret and calculate complex numerical data to establish and manage budgets |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FWPFGM5XXX Implement practices to maximise value from wood residues | FWPCOR6202 Implement practices to maximise value from wood residues | Minor edits to Elements and Performance Criteria  Updated Performance Evidence, Knowledge Evidence and Conditions of Assessment to meet requirements of Standards for Training Packages | Equivalent |

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| Links | Companion Volumes, including Implementation Guides, are available at VET Net: <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47> |

| TITLE | Assessment requirements for FWPFGM5XXX Implement practices to maximise value from wood residues |
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| Performance Evidence | |
| An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.  There must be evidence that the individual has developed, documented, coordinated the implementation of and evaluated one wood value maximisation plan. | |

| 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:   * Commonwealth, State or Territory legislation or regulation applicable to wood management practices * current government and industry initiatives, codes of practice and guidelines relevant to wood management practices * different applications for wood and residue material, markets and general market value: * poles * piles and bridge timbers * veneer logs * saw logs * chip logs * charcoal logs * woody biomass * structural and non-structural timbers * timber composites * timber panel products * timber engineered products * eucalyptus oil * extractives. * potential uses for wood residues and by products, markets and general market value * production practices that avoid or reduce wood residues * role of wood or waste products in generating renewable energy through biomass * authorisations, permits and licences relating to: * sites or properties * hours of operation * use and application of chemicals * environmental issues. * processes and practices for: * internal and external consultation * developing and implementing value maximisation plans * collecting and analysing relevant data * evaluating and modifying plans. * format, content and use of value maximisation plans. |

| 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 forest work environment or an environment that accurately represents workplace conditions * resources, equipment and materials: * computing equipment to prepare wood value maximisation plans * specifications: * comprehensive information about the operation of a real or simulated business to determine value maximisation practices * workplace policy and procedures regarding wood value maximisation * access to workplace safety and environmental policies and procedures applicable to forestry operations.   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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