Modification history

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

| FWPFGM4XXX | Plan for and coordinate forest harvesting operations |
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| Application | This unit of competency describes the skills and knowledge required to plan and coordinate harvesting operations according to a harvesting plan for an established coupe.  The unit applies to individuals involved in planning and supervising forest harvesting operations.  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 or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Harvesting and Haulage (HAR) |

| 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. Plan harvesting operations | 1.1 Review harvesting plan and where required, seek clarification from appropriate personnel  1.2 Review workplace health and safety procedures, including the use of personal protective equipment, lock out procedures and safe use of plant and equipment  1.3 Identify, assess and take actions to mitigate risks and hazards associated with harvesting operations  1.4 Identify environmental protection procedures for protecting natural and cultural assets, minimising and disposing of waste material and cleaning plant and equipment  1.5 Calculate size of coupe and available timber according to workplace procedures  1.6 Source and confirm availability of physical and human resources required for harvesting operation  1.7 Establish personnel plans and schedules and notify employees of coupe location and harvesting date  1.8 Apply for planning permits  1.9 Produce harvesting schedule according to harvesting plan and workplace procedures |
| 2. Coordinate harvesting operations | 2.1 Confirm forest type, topography and tree species  2.2 Calculate gross area of coupe and determine nett area to be harvested according to harvesting plan and workplace procedures  2.3 Calculate and record volume of logs to be harvested according to harvesting plan and workplace procedures  2.4 Coordinate and monitor harvesting activities according to harvesting plan and workplace procedures  2.5 Monitor compliance with environment protection, safety, workplace procedures and harvest plan requirements  2.6 Contract cartage operators and set cartage routes according to harvesting plan and workplace procedures  2.7 Record outcomes of harvesting activities according to workplace procedures |
| 3. Review harvesting operations | 3.1 Review harvesting operations, evaluate problems and report to appropriate personnel according to workplace procedures  3.2 Use information gathered from review in planning future harvesting operations |

| 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 |
| Reading | * Interpret complex and unfamiliar regulatory and environmental information affecting harvest plans |
| Writing | * Complete complex documents and forms |
| Oral communication | * Ask open and closed questions and active listening skills to clarify work requirements |
| Numeracy | * Perform complex calculations involving gross and nett spatial areas and volumes of extraction |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FWPFGM4XXX Plan for and coordinate forest harvesting operations | FWPHAR4205 Implement harvesting plan | Revised Title  Revised Elements and Performance Criteria  Revised Performance and Knowledge Evidence  Revised Assessment Conditions | Equivalent |

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

| TITLE | Assessment requirements for FWPFGM4XXX Plan for and coordinate forest harvesting operations |
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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:   * planned harvesting operations for one coupe * coordinated the implementation of the harvesting plan for the coupe * reviewed and reported on the harvesting operations for the coupe. | |

| 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:   * planning permit application and approval processes * harvesting and extraction methods * harvesting volume calculations * key features of operational issues for harvesting coupes: * site preparation * operation of landings and snig tracks * cartage operations * environmental hazards and protection measures: * minimising temporary, short-term, long-term and permanent damage to natural vegetation and landscape * soil and water protection * safe disposal of waste material * cleaning of plant, tools and equipment * workplace health and safety hazards, risks and control measures * fire protection requirements * wet weather operations and restrictions * types, features, purpose and operation of equipment used for harvest operation * personnel used for harvest operations * workplace policies and procedures for harvest operations: * documenting harvest work plans * communication reporting lines * recording and reporting harvest plan implementation issues. |

| 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: * access to a coupe for a harvesting operation * specifications: * harvest plan * workplace policy and procedures for implementing harvest plans * workplace safety and environmental policies and procedures applicable to forestry operations * 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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