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 | Contribute to and implement a silviculture regime for native forest |
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| Application | This unit of competency describes the skills and knowledge required to select a silvicultural regime consistent with native forest management objectives and contribute to the planning and implementation of the silviculture regime for native forest.  The unit applies to individuals who undertake forester or forestry field officer job roles in the forest industry.  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.Select silvicultural regime consistent with native forest management objectives | 1.1 Confirm native forest management objectives  1.2 Access sources of information required for making decisions on the choice of silvicultural regime  1.3 Assess forest condition to help formulate silvicultural practices consistent with forest management objectives  1.4 Identify silvicultural regime to achieve native forest management objectives |
| 2. Plan silvicultural operations | 2.1 Plan harvest and regeneration prescriptions consistent with forest management objectives  2.2 Plan seed collection, preparation and sowing to meet stocking standards and forest management objectives  2.3 Define regeneration stocking standards and plan surveys for post-harvest monitoring  2.4 Plan browsing controls consistent with forest management objectives  2.5 Plan crop protection measures consistent with forest management objectives  2.6 Establish schedule for silviculture activities according to workplace procedures  2.7 Calculate cost of silvicultural operations according to workplace procedures |
| 3. Coordinate implementation of silvicultural operations | 3.1 Coordinate implementation of silvicultural operations  3.2 Monitor staff and contractor compliance with prescriptions for silvicultural operations  3.3 Identify and resolve incidents of non-compliances within scope of responsibility and workplace procedures  3.4 Report on implementation of silvicultural operations to appropriate personnel |
| 3. Monitor effectiveness of silviculture operations | 4.1 Establish monitoring procedures for assessing effectiveness of silvicultural operations  4.2 Analyse outcomes of surveys and reports on silviculture operations  4.3 Identify, plan and coordinate implementation of remedial treatments as required  4.4 Document outcomes of silvicultural operations and report 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 |
| Reading | * Interpret complex written, technical information in source documents related to silviculture operations |
| Writing | * Design, develop and revise strategic documents appropriate to audience and context |
| Oral communication | * Use active listening and questioning techniques to convey and clarify information |
| Numeracy | * Analyse and compare complex statistical information related to silviculture operations |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FWPFGM5XXX Contribute to and implement a silviculture regime for native forest | Not applicable | New unit | Not applicable |

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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 Contribute to and implement a silviculture regime for native forest |
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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, on one occasion, the individual has contributed to the planning, coordinated the implementation and monitored the effectiveness of silviculture operations in one native forest stand. | |

| 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:   * native forest management objectives * social * economic * environmental * assessment of forest condition for selection of silviculture practices * forest type * forest age structure * forest components and their condition * forest structure * wildlife habitat * forest generation * evidence of past disturbances (fire, logging) that may have influenced the growing stock condition * types and characteristics of native forest silvicultural regimes * purpose of native forest silviculture regime * support production of wood and non-wood products * water yield * creating ideal conditions for regeneration * providing habitat for wildlife * carbon sequestration * maintaining a diverse forest ecosystem * components of silviculture regime * management objectives * harvesting systems * regeneration treatment * monitoring and protection * approaches to planning, implementing and monitoring native forest silvicultural operations * harvesting * thinning * regeneration * seed collection, preparation and sowing * stocking standards * surveys for post-harvest monitoring * browsing controls * crop protection measures - fire, wind * remedial treatments * key elements of a prescription for forestry operations * techniques for monitoring silvicultural operations in native forests * techniques for the design, implementation and analysis of outcomes of post-harvest surveys. |

| 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: * a native forest stand * computing hardware and software for planning, implementing and monitoring silviculture operations * stand data required for silviculture operations * specifications: * workplace policy and procedures regarding native forest silviculture 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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