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 a regeneration rate assessment |
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| Application | This unit of competency describes the outcomes required to plan and conduct a regeneration assessment within a forestry area.  The unit applies to individuals involved in planning and supervising a regeneration rate assessment as part of forestry 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 | Forest Growing and Management (FGM) |

| 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 regeneration assessment | 1.1 Identify regeneration activities undertaken at site to be assessed  1.2 Determine frequency of assessment activities and calculate size of sample area taking into account inventory programs, budgets and workplace guidelines  1.3 Select regeneration measurement method according to the forest type, environment protection requirements and workplace procedures  1.4 Coordinate personnel, materials and equipment required for the assessment  1.5 Develop a schedule for the assessment in conjunction with other relevant forest operations personnel  1.6 Obtain necessary permits or licences required for the assessment |
| 2. Coordinate implementation and monitoring of regeneration assessment | 2.1 Direct personnel undertaking the regeneration assessment  2.2 Coordinate the collection of data on regeneration rates  2.3 Ensure personnel engaged in assessment and monitoring activities comply with environmental, legislative and workplace requirements  2.4 Communicate with operational staff and contractors during the assessment and monitoring activities  2.5 Monitor and review assessment and monitoring activities and consult operational staff and contractors for potential improvements  2.6 Collate and interpret regeneration data |
| 3. Report on assessment outcomes | 3.1 Record and report on assessment outcomes according to workplace procedures  3.2 Review assessment method for potential improvements |

| 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 familiar and detailed organisational policies and procedures and complex documents such as forest management plans |
| Writing | * Produce detailed reports on the outcomes of the assessment of new plant stocks within forestry areas |
| Oral communication | * Ask open and closed questions and use active listening techniques to gather information related to the monitoring of regenerated areas |
| Numeracy | * Interpret complex numerical data relating to germination, survival, regeneration rates |

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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 a regeneration rate assessment | FWPFGM4205 Monitor regeneration rates | New title  Revised Elements and Performance Criteria  Revised Performance and Knowledge Evidence  Revised Assessment Conditions in line with requirements of Standards for Training Packages | 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 a regeneration rate assessment |
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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:   * followed workplace policies and procedures relevant to monitoring regeneration rates * accurately and safely monitored regeneration in a sample area * coordinated people, resources and equipment for the efficient monitoring of regeneration * accurately interpreted regeneration data * identified ways of improving the monitoring of regeneration * recorded and reported the outcomes of monitoring regeneration in a forest. | |

| 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:   * workplace and site standards, requirements, policies and procedures for monitoring regeneration rates * risks and hazards in a forest setting * types and rates of regeneration of the following * seeding * seedlings * coppice * standard sprouts * assessment techniques for regeneration rates, including * monitoring germination and survival rates * observing the effects of browsing, the distribution of new growth in square metres and regeneration rates * calculating basal areas * types of tools, and equipment used for measuring regeneration in a forest, and procedures for their safe use and maintenance. |

| 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 forest area that is undergoing regeneration * specifications: * workplace safety and environmental policies and procedures applicable to forestry operations * workplace policies and procedures relevant to monitoring regeneration activities.   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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