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 pests and diseases assessment |
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| Application | This unit of competency describes the skills and knowledge required to assess the presence and level of pests and diseases within a forest area. The unit includes the assessment of animal populations, weeds, diseases and pests.  The unit applies to individuals involved in planning and supervising a pests and diseases 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 pests and diseases assessment | 1.1 Determine frequency of assessment activities and calculate size of sample area taking into account inventory programs, budgets and workplace guidelines  1.2 Applied physical, biological and environmental indicators to determine the presence of pests and diseases in a forested area  1.3 Select methods of pest and disease measurement according to the forest management plan  1.4 Identify and adhere to site environmental protection measures  1.5 Select method of assessment with regard to the forest type, pest and disease type, environment protection requirements and workplace procedures  1.6 Coordinate people, materials and equipment for the pest and disease assessment  1.7 Organise schedule for the pest and disease assessment in conjunction with other relevant forest operations personnel  1.8 Obtain permits or licences required for the assessment |
| 2. Coordinate implementation of pests and diseases assessment | 2.1 Direct personnel undertaking the assessment  2.2 Coordinate the collection of data on pests and diseases  2.3 Ensure personnel engaged in assessment activities comply with environmental, legislative and workplace requirements  2.4 Communicate regularly with contractors and operational staff to ensure smooth operation and progress.  2.5 Monitor and review assessment 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 pest and disease assessment |
| Oral communication | Ask open and closed questions and use active listening techniques to gather information related to the presence and level of pests and diseases within a forest area |
| Numeracy | * Interpret complex numerical data relating to the presence and level of pests and diseases within a forest area |

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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 pests and diseases assessment | FWPFGM4204 Conduct a pests and diseases assessment | 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 pests and diseases 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 conducting a pests and diseases assessment * identified the physical, biological, and environmental indicators of the presence of pests and diseases in a forest * accurately and safely determined the level and presence of pests and diseases in a sample area * coordinated people, resources and equipment for a pest and disease assessment in a forested area * identified ways of improving pest and disease assessment * accurately interpreted data on pests and diseases * recorded and reported on the outcomes of an assessment of pests and diseases. | |

| 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:   * applicable Commonwealth, state or territory legislation, regulations, standards, codes of practice and established safe practices for conducting pest and disease assessment * environmental protection requirements in relation to conducting a pests and diseases assessment * workplace policies and procedures for conducting pest and disease assessment * types of pests and diseases including: * fauna, including avian fauna, rodents, feral cats, wild dogs and insects * flora including weeds and invasive plants and diseases that affect plants * methods and techniques to assess animal populations, diseases, pests and weeds * methods for measuring and collecting data on pests and diseases * safe use and application of tools and equipment used to conduct a pests and diseases assessment * procedures to obtain a permit or licence to conduct a pest and diseases assessment. |

| 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: * forest site suitable to conduct a pest and disease assessment * specifications: * workplace safety and environmental policies and procedures applicable to forestry operations * workplace policies and procedures relevant to pest and disease assessment.   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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