FPIFGM5002A Manage tending operations in a native forest

Unit Descriptor
This unit specifies the outcomes required to prepare and implement a tending operation within a managed native forest. The unit includes the conduct of consultative processes, analysis of the effectiveness of the operation, and presentation of findings to a range of individuals and groups.

Pre-requisite Unit(s)

Application of the Unit
Competency Field Forest and Forest Products
Sector Forest Growing and Management

ELEMENT PERFORMANCE CRITERIA
Elements describe the essential outcomes of a unit of competency
Performance Criteria describe the required performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the Required Skills and Knowledge and/or the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

1 Plan tending operation

1.1 Applicable OH&S, environmental, legislative and organisational requirements relevant to tending operations are verified and complied with

1.2 Timeline and budget are identified and confirmed with appropriate personnel

1.3 Operation requirements are reviewed and analysed for inputs and impact on the overall plan in accordance with site requirements

1.4 Consultative processes are used to obtain input to the plan in accordance with site requirements

1.5 Tending plan is developed, documented and communicated in accordance with site requirements

1.6 Necessary approvals are sought and obtained in accordance with site requirements

2 Implement tending operation

2.1 Tending operation is implemented in accordance with operation requirements, schedule, budget and legislative requirements

2.2 Required resources and authorisations are coordinated and obtained in accordance with organisational and legislative requirements

2.3 Emergency treatments and hazard notification procedures are implemented in accordance with
REQUIRED SKILLS AND KNOWLEDGE
This describes the essential skills and knowledge and their level, required for this unit.

Required skills include:

- Comply with legislation, regulations, standards, codes of practice and established safe practices and procedures for managing tending operations in a native forest
- Efficient analysis of qualitative and quantitative information and data
- Use appropriate consultative, communication and interpersonal techniques with colleagues and others
- Accurate preparation of a range of reports, documentation and submissions where precise meaning...
is required

- Effective presentation of written and oral information to a wide range of individuals and groups
- Effective time and project management
- State/Territory OH&S legislation, regulations, standards and codes of practice relevant to the full range of processes for coordinating tending operations in a native forest
- Organisational, site and management standards, requirements, policies and processes for coordinating tending operations in a native forest
- Environmental protection requirements relating to the tending operation site including disposal of waste material
- Established communication channels and protocols
- Problem identification and resolution
- Procedures for the development and implementation of a range of environmental management strategies
- Impact of tending operations on forest productivity and various end products
- Biology of relevant forest health problems
- Tree growth and development
- Weed species and herbicide interactions
- Procedures for the recording, reporting and maintenance of workplace records and information
- Appropriate mathematical procedures for estimation and measurement

KEY COMPETENCIES

The seven key competencies represent generic skills considered necessary for effective participation by an individual in the workplace
Performance Level 1 – at this level, the candidate is required to undertake tasks effectively
Performance Level 2 – at this level, the candidate is required to manage tasks
Performance Level 3 – at this level, the candidate is required to use concepts for evaluating and reshaping tasks

<table>
<thead>
<tr>
<th>Key Competency</th>
<th>Example of Application</th>
<th>Performance Level</th>
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<tbody>
<tr>
<td>How are ideas and information communicated</td>
<td>Ideas and information, verbal, written and diagrammatic, are communicated in complex English to confirm operation</td>
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<tr>
<td>within this competency?</td>
<td>requirements, convey information and requests to colleagues, and implement operations</td>
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<tr>
<td>How can information be collected, analysed and organised?</td>
<td>Collect, organise, interpret and analyse complex information required to assess effectiveness of plan for tending operations in a native forest</td>
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<td>How are activities planned and organised?</td>
<td>Organise and conduct work activities and resources in the correct sequence for implementing the tending operation within designated timeframes and schedules</td>
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<td>How is team work used within this competency?</td>
<td>Effective consultative, communication and interpersonal techniques are used with colleagues and others to maximise effectiveness of tending operation</td>
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<tr>
<td>How are mathematical ideas and techniques used?</td>
<td>Mathematical ideas and techniques are used to calculate time to complete projects and to estimate resource requirements</td>
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<td>How are problem solving skills applied?</td>
<td>Establish safe and effective planning processes which anticipate likely problems to avoid downtime and inefficiencies</td>
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<tr>
<td>How is use of technology applied?</td>
<td>Select and use computers and office equipment to develop and present reports and associated recommendations and analysis outcomes</td>
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**RANGE STATEMENT**

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording in the Performance Criteria is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

**OH&S requirements**

- are to be in accordance with Commonwealth, State or Territory legislation and regulations, organisational safety policies and procedures. Requirements may include but not be limited to the use of personal protective equipment and clothing, fire fighting equipment, first aid equipment, hazard and risk control and elimination of hazardous materials and substances,
| **Legislative requirements** | • are to be in accordance with applicable legislation from all levels of government that affect organisational operation. Requirements may include but not be limited to award and enterprise agreements, industrial relations, Australian Standards, confidentiality and privacy, OH&S, the environment, equal opportunity, anti-discrimination, relevant industry codes of practice, duty of care, and heritage and traditional land owners issues |
| **Organisational requirements** | • may include but not be limited to legal, organisational and site guidelines, policies and procedures relating to own role and responsibility, quality assurance, procedural manuals, quality and continuous improvement processes and standards, OH&S, emergency and evacuation, ethical standards, recording and reporting, access and equity principles and practices, equipment use, maintenance and storage, environmental management (waste disposal, recycling and re-use guidelines) |
| **Tending operations** | • may have the potential to impact on the organisation’s public relations  
• may be to maintain the health of the stand, improve productivity and long term sustainability, provide for end product mix requirements, management of notifiable weeds |
| **Timeline** | • may be critical to the productivity of the forest, success of the operation, and on suitability for various forest products (eg pruning certification) |
| **Appropriate personnel** | • may include operations supervisor, management, colleagues, client, relevant groups |
| **Operation requirements** | • may include end product requirements, stand treatment certification documentation, contractual requirements and obligations, environmental and public relations imperatives, current state of the forest resource |
| **Impact** | • may relate to nature and size of the crop and non-crop species, availability and skill level of the labour force, |
| **Consultative processes** | • may include face-to-face meetings, telephone, facsimile, written and email communication  
• may be with clients, technical operators, marketing groups, operations supervisor, colleagues, relevant groups/bodies such as environmental bodies, local, state and federal government bodies and agencies, internal |
policy groups, labour force

**Input**
- may include details of equipment, methods and consumables to be used, specifications for thinning, weed/insect management, stand health, pruning and tree selection, necessary notifications of relevant groups/bodies, specifications and quality parameters, performance indicators

**Approvals**
- may be required by environmental bodies, local, state and federal government bodies and agencies, long-term budget approvals

**Resources**
- may include people, materials and equipment

**Authorisations**
- may include permits, approvals, licences relating to neighbouring properties, hours of operation, use and application of chemicals, the environment

**Hazard**
- may include use of chemicals, off-site effects, tools and equipment, dangers to the public

**Communication**
- may include regular communication with the operations supervisor to ensure smooth operation and progress

**Documentation requirements**
- may be clear and accurate and include changes to the plan or process, supplementary approvals, supplementary notifications

**Monitoring points**
- may be time based, frequency based

**Checked**
- may include compliance with OH&S, organisational, legislative and environmental regulations, procedures, practices and precautions, adherence to site environmental imperatives, specifications, quality, performance targets, documentation is completed and submitted as required

**Information**
- may be from numerous sources including legislation, forest biology, tree physiology, new technology

**Records and reports**
- may include difficulties or issues faced during conduct of tending operation, recommendations for future work, results, costs, data analysis

**EVIDENCE GUIDE**

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

**Overview of assessment**
- A person who demonstrates competency in this standard must be able to provide evidence and demonstrate that they can safely and efficiently plan, implement and
### Critical aspects for assessment and evidence required to demonstrate competency in this unit

- Compliance with OH&S, environmental, and organisational/site policies and procedures, and State/Territory legislation applicable to managing tending operations in a native forest.
- Effectively plan a tending operation using consultative processes with colleagues and stakeholders to obtain inputs, and ensure efficient and safe processes and timelines.
- Efficiently and safely implement a tending operation in line with documented plan and budget, and make adjustments to plan or operation.
- Effectively review and analyse operation and use findings to document improvements to future operations.
- Prepare and present a detailed report including costs, processes and analysis findings of the tending operation.

### Context of, and specific resources for assessment

- The application of competency is to be assessed in the workplace or realistically simulated workplace.
- Assessment is to occur under standard and authorised work practices, safety requirements and environmental constraints.
- Assessment of essential underpinning knowledge, other than confirmatory questions, will usually be conducted in an off-site context.
- Assessment is to comply with relevant regulatory or Australian Standards requirements.
- The following resources should be made available:
  - workplace location or simulated workplace
  - materials and equipment relevant to managing tending operations in a native forest
  - specifications and work instructions

### Method of assessment

- Assessment must satisfy the endorsed assessment guidelines of the Forest and Forest Products Industry Training Package.
- Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with application of underpinning knowledge.
- Assessment must be by direct observation of tasks, with questioning on underpinning knowledge and it must also review tending operations in a native forest.
reinforce the integration of key competencies

- Assessment methods must confirm the ability to access and correctly interpret and apply the essential underpinning knowledge

- Assessment may be applied under project related conditions (real or simulated) and require evidence of process

- Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances

- Assessment may be in conjunction with assessment of other units of competency, including those listed above