



Australian Government

Department of Education, Employment and Workplace Relations

FPIFGM5210A Manage tending operations in a native forest

Release: 1

FPIFGM5210A Manage tending operations in a native forest

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

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

Compliance with licensing, legislative, regulatory or certification requirements including Codes of Practice may be required in various jurisdictions

This unit replaces FPIFGM5202A Manage tending operations in a native forest

Application of the Unit

Application of the unit

This unit involves managing tending operations in a native forest. It applies to a forest environment and involves application of skills and knowledge at a managerial level

The skills and knowledge required for competent workplace performance are to be used within the scope of the person's job and authority

Licensing/Regulatory Information

Refer to Unit Descriptor

Pre-Requisites

Not Applicable

Employability Skills Information

Employability skills This unit contains employability skills

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Plan tending operation	1.1. Applicable Occupational Health and Safety (OHS), environmental, legislative and organisational requirements relevant to tending operations are identified and followed 1.2. Timeline and budget are identified and checked with appropriate personnel 1.3. Environmental protection requirements are identified and implemented 1.4. Operation requirements are reviewed and analysed for inputs and impact on the overall plan in accordance with site requirements 1.5. Consultative processes are used to obtain input to the plan in accordance with site requirements 1.6. Tending plan is developed, documented and communicated in accordance with site requirements 1.7. 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 legislative requirements 2.4. Schedule for site is organised in conjunction with technical operators in accordance with organisational requirements 2.5. Communication with others is established and maintained in accordance with OHS and organisational requirements 2.6. Documentation requirements are identified and communicated in accordance with OHS requirements
3. Monitor tending operation	3.1. Monitoring points are identified and adhered to in accordance with organisational procedures 3.2. Tending operation is checked to ensure environmental, OHS, organisational and legislative

ELEMENT**PERFORMANCE CRITERIA**

	<i>compliance requirements</i> are met and documentation is completed and submitted as required 3.3. Communication with operations supervisor is maintained in accordance with OHS and organisational requirements 3.4. Tending operation plan and processes are amended as required to ensure specifications, quality and performance targets are met
4. Review tending operation	4.1. Tending operation is reviewed against tending operation plan and organisational requirements 4.2. Information and data is analysed to determine effectiveness of tending operation and improvements to future plans 4.3. Recommendations for future operations are prepared based on findings of analysis and consultation conducted 4.4. Native forest tending operations are recorded and reported to appropriate personnel

Required Skills and Knowledge**REQUIRED SKILLS AND KNOWLEDGE**

This describes the essential skills and knowledge and their level required for this unit

Required skills

- Communication skills sufficient to use consultative and interpersonal techniques and effectively present written and oral information to colleagues and a wide range of individuals and groups
- Literacy skills sufficient to accurately record and report workplace information and prepare a range of reports, documentation and submissions where precise meaning is required
- Numeracy skills sufficient to analyse qualitative and quantitative information and data
- Problem solving skills sufficient to demonstrate time and project management
- Planning and organisational skills to coordinate the acquisition of required resources, authorisations and approvals and to develop tending plans

Required knowledge

REQUIRED SKILLS AND KNOWLEDGE

- Applicable Commonwealth, State or Territory legislation, regulations, standards, codes of practice and established safe practices relevant to the full range of processes for managing tending operations in a native forest
- Environmental protection requirements, including the safe disposal of waste material
- Organisational and site standards, requirements, policies and procedures for managing tending operations in a native forest
- 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
- Hydrology and hydrological principles
- Botany, including plant identification and classification skills
- Ecology and ecological interactions
- Soil types and structure
- Established communication channels and protocols
- Problem identification and resolution strategies and common fault finding techniques
- Types of tools and equipment and procedures for their use, operation and maintenance relevant to managing tending operations in a native forest
- Appropriate mathematical procedures for estimating and measuring, including calculating time to complete tasks
- Procedures for recording and reporting workplace information

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

A person who demonstrates competency in this unit must be able to provide evidence that they can manage tending operations in a native forest

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements of this unit and include demonstration of:

- following applicable Commonwealth, State or Territory legislative and regulatory requirements and codes of practice relevant to managing tending operations in a native forest
- following organisational policies and procedures relevant to managing tending operations in a native forest
- following applicable licensing or certification requirements
- planning a tending operation using consultative processes with colleagues and stakeholders to obtain inputs, and ensure efficient and safe processes and timelines
- implementing a tending operation in line with documented plan and budget, and making adjustments to plan or operation
- reviewing and analysing the operation and use of findings to document improvements to future operations
- preparing and presenting a detailed report including costs, processes and analysis findings of the tending operation

Context of and specific resources for assessment

- 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 required knowledge, other than confirmatory questions, will usually be conducted in an off-site context
- Assessment is to comply with relevant regulatory or

EVIDENCE GUIDE

Australian Standards requirements

- The following resources should be made available:
 - workplace location or simulated workplace
 - materials and equipment relevant to undertaking work applicable to this unit
 - specifications and work instructions

Method of assessment

- Assessment must satisfy the endorsed Assessment Guidelines of the FPI11 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 required knowledge
- Assessment methods applicable to this unit may include direct observation of tasks with questioning of required knowledge and the completion of projects, assignments or written tests
- Assessment methods must confirm the ability to access and correctly interpret and apply the required 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
- The assessment environment should not disadvantage the candidate
- Assessment practices should take into account any relevant language or cultural issues related to Aboriginality, gender or language backgrounds other than English
- Where the participant has a disability, reasonable adjustment may be applied during assessment
- Language and literacy demands of the assessment task should not be higher than those of the work role

Range Statement

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, if used in the performance criteria, is detailed below. 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) may also be included.

OHS requirements:

are to be in accordance with applicable Commonwealth, State or Territory legislation and regulations, and organisational safety policies and procedures, and may include:

- personal protective equipment and clothing
- safety equipment
- first aid equipment
- fire fighting equipment
- hazard and risk control
- fatigue management
- elimination of hazardous materials and substances
- safe forest practices including required actions relating to forest fire
- manual handling including shifting, lifting and carrying

Legislative requirements:

are to be in accordance with applicable Commonwealth, State or Territory legislation, regulations, certification requirements and codes of practice and may include:

- award and enterprise agreements
- industrial relations
- Australian Standards
- confidentiality and privacy
- OHS
- the environment
- equal opportunity
- anti-discrimination
- relevant industry codes of practice
- duty of care
- heritage and traditional land owner issues

Organisational requirements may include:

- legal
- organisational and site guidelines
- policies and procedures relating to own role

RANGE STATEMENT

	- and responsibility • quality assurance • procedural manuals • quality and continuous improvement processes and standards • OHS, emergency and evacuation procedures • ethical standards • recording and reporting requirements • equipment use and maintenance and storage requirements • environmental management requirements (waste disposal, recycling and re-use guidelines) • access and equity principles and practices
Tending operations	• may have the potential to impact on the organisation's public relations and may be designed to: • maintain the health of the stand • improve productivity and long term sustainability • provide for end product mix requirements • manage notifiable weeds
Timeline	• may be critical to the productivity of the forest, success of the operation, and on suitability for various forest products (e.g. pruning certification)
Appropriate personnel may include:	• operations supervisor • management • colleagues • clients • relevant groups
Environmental protection requirements may include:	• soil disturbance measures • retention tree damage • fungal hygiene measures • identification of habitat trees • chemical handling and application procedures
Operation requirements may include:	• end product requirements • stand treatment certification documentation • contractual requirements and obligations • environmental and public relations imperatives

RANGE STATEMENT

Impact may relate to:

- current state of the forest resource
- nature and size of the crop and non-crop species
- availability and skill level of the labour force
- face-to-face meetings
- telephone
- facsimile
- written
- email communication

Consultative processes may include:

and may be with:

- clients
- technical operators
- marketing groups
- operations supervisor
- colleagues

and relevant groups/bodies such as:

- environmental bodies
- local, State and federal government bodies and agencies
- internal policy groups
- labour force
- 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

Input may include:

Approvals may be required by:

- environmental bodies
- local, State and federal government bodies and agencies

and may include:

- long-term budget approvals

Authorisations may include:

- permits
- approvals
- licences relating to neighbouring properties

RANGE STATEMENT

	and may relate to:
	• hours of operation • use and application of chemicals • the environment
Hazards may refer to:	• use of chemicals • off-site effects • tools and equipment • dangers to the public
Communication will include:	• regular communication with the operations supervisor to ensure smooth operation and progress
Documentation requirements	must be clear and accurate and may include: • changes to the plan or process • supplementary approvals • supplementary notifications
Monitoring points	may be time-based or frequency-based
Compliance requirements may include:	• OHS • organisational, legislative and environmental regulations procedures, practices and precautions • adherence to site environmental imperatives • specifications • quality • performance targets
Information	may be from a variety of sources and include: • 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

Unit Sector(s)

Not Applicable

Competency field

Competency field Forest Growing and Management