



Australian Government

Department of Education, Employment and Workplace Relations

FPICOR4202B Monitor and review forestry operations

Release: 1

FPICOR4202B Monitor and review forestry operations

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

This unit describes the outcomes required to monitor and review forestry operations on a site with regard to setting improvement recommendations and developing new and flexible approaches

General workplace legislative and regulatory requirements apply to this unit; however there are no specific licensing or certification requirements at the time of publication

This unit replaces FPICOR4202A Monitor and review forestry operations

Application of the Unit

Application of the unit

The unit involves monitoring and reviewing forestry operations in a variety of work settings including a forest environment, saw mill, wood chip mill, veneer mill, board/plywood mill, timber treatment plants, downstream processing of timber, forest products factory, forest products sales and service, horticultural, domestic, local council, emergency services environment

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. Monitor forestry operations	1.1. Applicable Occupational Health and Safety (OHS), environmental, legislative and organisational requirements relevant to monitoring and reviewing forestry operations are identified and followed 1.2. Communication with others is established and maintained in line with forestry operation requirements 1.3. Tasks are monitored in a safe manner in line with legislative requirements and environmental management systems, organisational policies and procedures 1.4. Organisation of duties, practices, equipment and materials are monitored in line with OHS requirements and organisational procedures
2. Review improvement opportunities	2.1. Operational plans and site practices are reviewed for potential improvement, modifications and time savings 2.2. Community and organisational environmental goals are monitored and recorded 2.3. Training and operational controls are monitored to ensure they are in line with workplace procedures 2.4. Recommendations for improvement are recorded and reviewed for resourcing requirements 2.5. Plans to introduce change are made in consultation with appropriate personnel
3. Develop new and flexible approaches	3.1. New systems and technologies are developed and trialled on site following OHS requirements and in line with site requirements 3.2. New systems are checked for effective improvements or time savings, modified and communicated to appropriate personnel for implementation 3.3. Care for the environment is monitored to check for integration into all day-to-day activities 3.4. Progress reviews are conducted to assess impact of improvement and on the environment 3.5. Forestry operation procedures are recorded and reported in line with workplace procedures

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- Technical skills sufficient to use and maintain personal protective equipment and clothing
- Communication skills and interpersonal techniques sufficient to interact appropriately with colleagues and others in the workplace
- Literacy skills sufficient to accurately record and report workplace information, and maintain documentation
- Numeracy skills sufficient to estimate, measure and calculate time required to complete a task
- Problem solving skills sufficient to identify problems, environmental issues and equipment faults and demonstrate appropriate response procedures

Required knowledge

- Applicable Commonwealth, State or Territory legislation, regulations, standards, codes of practice and established safe practices relevant to the full range of processes for monitoring and reviewing forestry operations
- Environmental protection requirements, including the safe disposal of waste material
- Organisational and site standards, requirements, policies and procedures relevant to monitoring and reviewing forestry operations
- Sustainable procurement practices, including selecting products and services on the basis of how they minimise and monitor their impact on the environment
- Types of equipment and procedures and their environmentally friendly use, operation and maintenance
- Forestry operations, techniques and technology
- Operational systems
- Environmental risks and hazard identification
- Environmental management systems
- Established communication channels and protocols
- Problem identification and resolution strategies and common fault finding techniques
- Types of tools and equipment and procedures for their safe use and maintenance
- 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 safely and efficiently monitor and review forestry operations in line with organisational requirements

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 monitoring and reviewing forestry operations
 - following organisational policies and procedures relevant to monitoring and reviewing forestry operations
 - monitoring and reviewing of operational policies and procedures within the organisation
 - monitoring of on-site forestry operations and recommended improvement systems, techniques or technology
 - assessment of environmental measures as a result of improvements within the organisation
- 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 follow relevant regulatory or 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

EVIDENCE GUIDE

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 must be by direct observation of tasks, with questioning on required knowledge and it must also reinforce the integration of employability skills
- 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.

RANGE STATEMENT

OHS requirements:

are to be in line 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
- machine isolation and guarding
- legislation
- organisational policies and procedures
- workplace practices

Environmental requirements may include:

Legislative requirements:

are to be in line 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
- legal
- organisational and site guidelines
- policies and procedures relating to own role and responsibility
- quality assurance

Organisational requirements may include:

RANGE STATEMENT

	• 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)
Communication may include:	• verbal and non-verbal language • constructive feedback • active listening • questioning to clarify and confirm understanding • use of positive, confident and cooperative language • use of language and concepts appropriate to individual social and cultural differences • control of tone of voice • body language
Forestry operations may include:	• improvement of timber technology methodologies • on-site forestry operations • ancillary forest operations
Environmental management systems are to include:	environmental policy which ensures: • compliance, improvement and prevention • continuous cycle of plan, implement, monitor, review and improve environmental practices and systems
Reviewed is to include	assessing operational plans and site practices in relation to: • energy consumption • carbon emissions • renewable and non-renewable resources • waste management, recycling and re-use • material consumption • hazardous and toxic materials • chemical use

RANGE STATEMENT

Environmental goals are to include:

- equipment use and safety of work practices
- storing of materials and equipment
- environmental considerations and actions for operational and activity interface, material, energy and other resource use
- emission control
- waste generation and control
- product and service use
- land and infrastructure interaction
- accident prevention
- waste management, recycling and re-use outcomes that are environmentally effective, efficient and safe

Training may include:

- in-house or external training programs
- one-on-one supervision

Operational controls may include:

- measurement of improvement outcomes
- coaching and mentoring of personnel in regard to new methodologies
- control of environmental conditions

Appropriate personnel may include:

- safety officers
- supervisors
- suppliers
- clients
- colleagues
- managers

Developing and trialling new systems and technologies is to consider:

- environmental resource management and services such as reducing waste, sustainable procurement practices
- energy and material efficiency such as recycling, re-using, water usage and management, energy usage and management

Care for the environment includes:

- environmental sustainability
- protection of water courses and water quality
- soil and salinity management
- reduction and disposal of waste
- energy efficiency
- biodiversity and habitat protection
- conservation of natural resources
- fire management

Impact may include:

- assessment of actual outcomes or potential outcomes

RANGE STATEMENT

- beneficial or damaging
- magnitude or degree
- frequency
- likelihood
- duration
- geographic area
- which aspects of the environment it effects
- is it regulated
- who is involved
- any consequences for other aspects of the environment
- potential for any escalation

Records and reports may include:

- forestry operations
- OHS policies and procedures
- quality outcomes
- technology requirements

and may be:

- manual
- using a computer-based system or another appropriate organisational communication system

Unit Sector(s)

Not Applicable

Competency field

Competency field

Core