



Australian Government

Department of Education, Employment and Workplace Relations

FPISAW2209B Dismantle, transport and assemble hand portable sawmill

Release: 1

FPISAW2209B Dismantle, transport and assemble hand portable sawmill

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

This unit describes the outcomes required to dismantle, transport and assemble a hand portable sawmill for the purposes of milling green boards at an on-site location

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 FPISAW2209A Dismantle, transport and assemble hand portable sawmill

Application of the Unit

Application of the unit

The unit involves dismantling, transporting and assembling a hand portable sawmill in a forest products factory setting

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

Prerequisite units

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. Prepare for operation	1.1. Applicable Occupational Health and Safety (OHS), environmental, legislative and organisational requirements relevant to dismantling, transporting and assembling a hand portable sawmill are identified and followed 1.2. Work order is reviewed and checked with appropriate personnel 1.3. Type and quantity of logs to be sawn are identified and location checked 1.4. Equipment is selected appropriate to work requirements and checked for operational effectiveness in line with manufacturer's recommendations 1.5. Set-up, transport and dismantling process is planned to optimise available recovery time 1.6. Communication with others is established and maintained in line with OHS requirements
2. Dismantle, transport and assemble hand portable sawmill	2.1. Sequence of activities is followed to dismantle the sawmill in line with manufacturer's instructions 2.2. Dismantled sawmill equipment is loaded for transportation, secured and moved to the new location 2.3. Proposed new work site is inspected for potential hazards and interference to work flow in line with environmental protection requirements 2.4. Site for logs, stacking of sawn boards and waste is assessed, selected, cleared and made safe in line with environmental protection requirements 2.5. Sequence of activities is followed to assemble hand portable sawmill in line with manufacturer's instructions 2.6. Pre start-up checks are carried out on equipment in line with site requirements 2.7. Hand portable sawmilling establishment and equipment faults are recorded and reported to the appropriate personnel
3. Conduct operator maintenance	3.1. Equipment lock-out procedures are followed in line with OHS legislation and site procedures 3.2. Saw blades are checked for blunt or damaged condition 3.3. Saw blades are removed and replaced in line with

ELEMENT**PERFORMANCE CRITERIA**

manufacturer's recommendations

3.4. Machine is kept clear of dust and debris in line with OHS requirements

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 relevant tools, machinery and equipment; efficiently and safely dismantle, transport and assemble hand portable sawmill
- Communication skills and interpersonal techniques sufficient to interact appropriately with colleagues and others in the workplace
- Literacy skills sufficient to accurately locate, record and report information
- Numeracy skills sufficient to estimate, measure and calculate time required to complete a task
- Problem solving skills sufficient to review and accurately identify work requirements; identify problems 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 dismantling, transporting and assembling a hand portable sawmill
- Environmental protection requirements, including the safe disposal of waste material, minimising carbon emissions and the cleaning of plant, tools and equipment
- Organisational and site standards, requirements, policies and procedures for dismantling, transporting and assembling a hand portable sawmill
- Environmental risks and hazards
- Hand portable sawmilling systems
- Blade condition assessment
- Storage systems and labelling
- 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, operation and maintenance

REQUIRED SKILLS AND KNOWLEDGE

- 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 dismantle, transport and assemble hand portable sawmill within 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 dismantling, transporting and assembling a hand portable sawmill
- following organisational policies and procedures relevant to dismantling, transporting and assembling a hand portable sawmill
- dismantling, transporting and assembling a hand portable sawmill in readiness to produce green boards in line with the work order and within prescribed organisational specifications
- conducting operator maintenance on hand portable sawmill machinery

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 essential 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

Environmental requirements may include:

- legislation
- organisational policies and procedures
- workplace practices

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

Organisational requirements may include:

- legal
- organisational and site guidelines
- policies and procedures relating to own role and responsibility
- quality assurance
- procedural manuals

RANGE STATEMENT

- 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 minimisation disposal, recycling and re-use guidelines)

Work order is to include:

- instructions for hand portable sawmill location
- assembly
- dismantling
- transport from the work site to the next worksite

and may also include:

- instructions for the environmental monitoring of work and procedures
- environmental care requirements relevant to the work

Appropriate personnel may include:

- supervisors
- suppliers
- clients
- colleagues
- managers

Logs identification for sawing is to include:

- assessment of diameter range
- curvature
- faults
- species
- moisture content

Sawing

is the process of cutting a log into parts including green boards and off-cuts

Equipment is to include:

- hand portable sawmills
- procedures for machine lock-out such as protecting operators and co-workers from accidental injury by isolating the machine from the power source

Communication may include:

- verbal and non-verbal language
- constructive feedback
- active listening

RANGE STATEMENT

- 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

Pre start-up checks

are conducted to ensure:

- saw has been set up correctly
- blades are installed accurately
- machinery is operating to optimum performance

Records and reports may include:

- the dismantling, transport and assembly procedures
- product type
- size
- inspection
- quality outcomes
- hazards
- incidents
- equipment malfunctions

and may be:

- manual
- using a computer-based system other appropriate organisational communication system

Unit Sector(s)

Unit sector

No sector assigned

Co-requisite units

Co-requisite units

Co-requisite units

Competency field

Competency field Sawmilling and Processing