



Australian Government

Department of Education, Employment and Workplace Relations

FPICOT2223B Segregate and sort logs

Release: 1

FPICOT2223B Segregate and sort logs

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

This unit describes the outcomes required to locate and segregate logs from the stockpile and sort the logs into specified end usage in separate storage areas

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 FPICOT2223A Segregate and sort logs

Application of the Unit

Application of the unit

The unit involves segregating and sorting logs 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

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. Prepare to segregate and sort logs	1.1. Applicable occupational health and safety (OHS), environmental, legislative and organisational requirements relevant to segregating and sorting logs are identified and followed 1.2. Site environmental protection measures are adhered to in line with relevant legislation and regulations 1.3. Work order is reviewed and clarified with appropriate personnel 1.4. Standards, specifications and lengths of timber products are identified and assessed in line with their planned usage 1.5. Log and wood characteristics are specified and logs to be segregated and sorted are identified and checked 1.6. Log segregation and sorting operations are identified for safe working conditions and planned in line with site procedures 1.7. Communication with others is established and maintained in line with OHS requirements
2. Segregate and sort logs	2.1. Logs are segregated in line with work order, and environmental and OHS requirements 2.2. Log species and sizes are identified in line with work order and end use requirements 2.3. Mechanical equipment is directed to the specified logs and extraction from the stockpile is executed 2.4. Segregated logs are sorted into end use batches or individual stockpiles 2.5. Logs are measured and data is recorded clearly and accurately in line with industry standards 2.6. Segregation and sorting results are recorded and reported in line with site 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

REQUIRED SKILLS AND KNOWLEDGE

- Technical skills sufficient to use and maintain relevant tools and equipment; efficiently and safely segregate and sort logs; segregate and sort logs on the basis of species, size and characteristics across the full range required; identify and calculate log defects; optimise recovery of logs
- Communication skills sufficient to use appropriate communication and interpersonal techniques with colleagues and others; locate, record and report information
- Literacy skills sufficient to follow legislation, regulations, standards, codes of practice and established safe practices and procedures for segregating and sorting logs
- Numeracy skills sufficient to select appropriate mathematical processes and accurately measure logs
- Problem solving skills sufficient to review and identify work requirements; analyse problems; 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 segregating and sorting logs
- Environmental protection requirements, including the safe disposal of waste material
- Organisational and site standards, requirements, policies and procedures for segregating and sorting logs
- Environmental risks and hazards
- Industry standards for log species, size and characteristics requirements across the full range
- Procedures for segregating and sorting logs
- Segregation codes
- Industry standards for defects and length dimensions
- 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
- 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 evaluate, segregate and sort logs 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 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 segregating and sorting logs
- following organisational policies and procedures relevant to segregating and sorting logs
- safely and efficiently segregating and sorting logs into designated categories from stockpiles
- estimating and measuring logs
- 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

Context of and specific resources for assessment

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

EVIDENCE GUIDE

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.

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:

RANGE STATEMENT

- 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

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
- quality and continuous improvement processes and standards
- OHS, emergency and evacuation procedures
- ethical standards
- recording and reporting requirements
- equipment use, maintenance and storage

RANGE STATEMENT

	requirements
	environmental management requirements (waste minimisation and disposal, recycling and re-use guidelines)
Environmental protection measures may include:	- ground growth - canopy - general forest lean - wind speed and direction - fallen trees - density of trees - ground slope - soil and water protection - ground hazards - obstacles
Work order is to include:	details of material to be evaluated, graded and marked
	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 - clients - colleagues - managers
Timber products may include:	- poles - piles - veneer - graded sawlogs - non-graded sawlogs - pulp
Characteristics may include:	- species - pipe - open pipe - discontinuous and irregular shaped pipes - loose gum veins - gum pockets and rings - termites and grubs - hearts out of centre - brown stain

RANGE STATEMENT

	• rot • punk • cork or pith • black borer • black heart • straight shakes • shakes in spiral grain • overgrowth and doze pockets • small log pipe allowance • length • non-allowable length defects
Safe working conditions will include:	• control of potential and existing risks and hazards • ensuring log stability during: • evaluation • grading • marking
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
Segregating	is the process of locating and removing designated logs from a stockpile or landing to a specified location
Sorting	is the process of allocating segregated logs into batches, based on: • species • sizes • characteristics
Measurement may include:	• using callipers • using other standard measuring tools
Records and reports may include:	• segregating and sorting operations • difficulties or issues faced

RANGE STATEMENT

- environmental issues
- recommendations for future work
- results
- costs
- hazards
- incidents
- equipment malfunctions

and may be:

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

Unit Sector(s)

Not Applicable

Competency field

Competency field Common Technical