



Australian Government

FWPCOT2223 Segregate and sort logs

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT2223B Segregate and sort logs, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to segregate and sort stockpiled logs according to specified end usage.

The unit applies to those who segregate and sort logs in a forest products factory setting.

No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Sawmilling and Processing

Timber Manufactured Products

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare to segregate and sort logs.	1.1 Review work order and where required check with appropriate personnel. 1.2 Identify specifications for species, product usage and lengths. 1.3 Select appropriate personal protective and other equipment and check for operational effectiveness. 1.4 Plan log segregation and sorting operations in line with work

ELEMENTS	PERFORMANCE CRITERIA
	order.
2. Segregate and sort logs.	2.1 Follow organisational safety procedures throughout all racking sorting processes. 2.2 Inspect type and quantity of logs; assess suitability of species, size, and quality for specified product usage. 2.3 Identify log defects, grade and mark logs with segregation codes according to specified product usage. 2.4 Direct mechanical equipment to specified logs and extract from stockpile. 2.5 Measure and sort segregated logs into end use batches or individual stockpiles. 2.6 Record and report measurements and sorting outcomes in line with organisational procedures.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	complete routine measurements of logs for length and diameter using assistive measurement equipment and record measurements.
Oral communication skills to:	ask questions and actively listen to clarify contents of work orders.
Reading skills to:	- interpret: - workplace health and safety and other organisational procedures - work orders
Writing skills to:	complete accurate basic records for sorting outcomes.
Planning and organising skills to:	efficiently and logically sequence the stages of preparation and sorting work using work order to guide activities.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT2223B Segregate and sort logs

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPCOT2223 Segregate and sort logs

Modification History

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1	Replaces equivalent unit FPICOT2223B Segregate and sort logs, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including Required Skills and Knowledge, Evidence Guide and Range Statement.

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- segregate and sort logs in line with individual work orders that prescribe different requirements to segregate, sort, grade and mark logs according to:
 - species
 - size and length
 - log faults and characteristics
 - specified end use
- after each of the above jobs, complete accurate basic records for measurements and sorting outcomes.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- typical log defects, visual characteristics and how they affect ability to produce quality timber products including:
 - discontinuous and irregular shaped pipes
 - loose gum veins
 - gum pockets and rings
 - termites and grubs
 - hearts out of centre

- brown stain
- 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
- range of industry standard log lengths and diameters used to produce common timber products
- markings used on logs to indicate grade according to:
 - species
 - size
 - log faults and characteristics
 - specified product usage
- purpose, features and operation of equipment used to sort and segregate logs
- organisational procedures specific to sorting and segregating logs:
 - workplace health and safety with particular emphasis on use of personal protective equipment
 - communication reporting lines
 - recording and reporting log measurements and sorting outcomes.

Assessment Conditions

The following resources must be made available:

- measuring tapes or electronic measuring equipment
- personal protective equipment suitable for sorting and segregating logs
- a diverse commercial range of logs of varying species, lengths and diameters
- work order with specific instructions for assessing, grading, marking and sorting logs for specified product usage
- template documents for recording log measurements and sorting outcomes
- organisational procedures for sorting and segregating logs.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.
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