



Australian Government

FWPCOT2242 Segregate and sort logs

Release: 1

FWPCOT2242 Segregate and sort logs

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 3.0.

Application

This unit of competency describes the skills and knowledge required to segregate and sort logs in a commercial forest harvesting environment or a timber processing plant, in line with specified quality characteristics for the best end-usage.

The unit applies to individuals who segregate and sort logs at the roadside, landing area or timber mill. Operators generally work under broad direction and take responsibility for their work.

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

Pre-requisite Unit

Nil

Unit Sector

Core Technical (COT)

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.</i>
1. Prepare to segregate and sort logs	1.1 Review log product specifications for species, product usage and size in reference to the segregation and sorting of logs 1.2 Review the production plan, confirm its targets and assess wood flow requirements to ensure efficient operations and overall productivity 1.3 Confirm, identify and report health, safety, environmental and heritage risks of operation in line with standard operating procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	and site safety and environmental management plan 1.4 Apply risk control measures in line with standard operating procedures, site operational plan, legislative requirements and industry standards to eliminate or minimise risks 1.5 Identify emergency plan procedures to follow in the event of an emergency 1.6 Select appropriate log size measuring tools and calibration methods 1.7 Calibrate log measuring tools to ensure accuracy of length and diameter measurements
2. Segregate and sort logs	2.1 Visually assess and measure logs for size, species and quality characteristics to determine their best end-use in line with product specifications and to identify logs which are to be recovered 2.2 Mark and report logs that cannot be clearly and safely assessed 2.3 Direct mechanical equipment to extract specified logs from the stack and segregate them by specified product usage 2.4 Assist log positioning and segregation into end-use stacks to avoid log damage, provide stability, restrict height for efficient extraction and allow space for the conduct of other operations in line with planned worksite layout 2.5 Ensure stacks are tagged for identification in line with industry standards and production plan requirements 2.6 Record and report measurements and sorting outcomes

Foundation Skills

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

Skill	Description
Reading	read and understand standard operating procedures, site operational plan, site safety management plan, product specifications and industry standards for log segregation and presentation

Skill	Description
Writing	record information about logs that cannot be graded
Oral Communication	- interact verbally with machine operators on site to create log stacks - confirm how logs should be segregated and seek assistance where necessary - use appropriate vocabulary including technical language directly relevant to role
Numeracy	count logs and measure log diameter and length
Navigate the world of work	- understand main tasks, responsibilities and boundaries of own role - calibrate and use log measuring tools according to workplace procedures
Interact with others	- use modes of communication suitable to purpose to confirm and clarify understanding - participate in conversations relevant to role by responding and explaining as required
Get the work done	plan and organise own activities and resources

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT2242 Segregate and sort logs	FWPCOT2223 Segregate and sort logs	Significant changes to reflect industry requirements for a safe and appropriate operation. New PCs were added, most PCs were edited and PE and KE increased in content to map against the revised PCs. Additional foundation skills identified. Code change to reflect outcomes of unit.	No equivalent unit

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 FWPCOT2242 Segregate and sort logs

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Performance Evidence

An individual demonstrating competency must satisfy all the elements and performance criteria of this unit. There must be evidence that, on at least one occasion, the individual has:

- safely and correctly assessed and measured logs for size, species and quality characteristics for specified product usage in line with a production plan
- checked risks associated to the operation and applied standard operating procedures
- used log measuring tools and methods to measure logs and logs defects
- applied knowledge of log species, log quality characteristics and defects
- identified and assessed log defects
- assisted positioning and segregation of logs into end-use stacks for ensuring minimal log damage and efficient transportation and identification
- followed log product specifications and production plan requirements for sorting logs.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- information and requirements contained in log product specifications and a production plan
- health and operational hazards or risks related to log segregation and sorting operations and factors that can change or introduce new hazards
- industry-accepted work health and safety risk control measures, legal obligations of the current Work Health and Safety Acts or Occupational Health and Safety Acts and regulations and requirements of industry standards and/or codes of practice for log segregation and sorting operations as outlined in workplace procedures and production plan
- required emergency response procedure, including firefighting resources and emergency response
- industry-accepted warning signs, their correct positioning and procedures to maintain communication and work safety

- industry-accepted environmental control measures, restrictions, legal obligations of current Environment Protection Acts and regulations and requirements of industry standards and/or codes of practice for log segregation and sorting operations as outlined in workplace procedures and production plan
- log species, quality characteristics and log defects particular to the site and production system
- regional quality requirements for log products with particular end uses, markets, values
- maximum log damage or defect allowance and minimum quality allowance particular to a production system
- criteria for recycling and re-using logs with significant defects
- log measuring tools for length and diameter measurements
- methods for calibrating and verifying log measuring tools
- techniques and methods for measuring log diameter and length using standard and digital tools
- causes of manual length and diameter measurement error
- industry-accepted methods for product identification.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a forest harvesting site or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - logs for segregation and sorting
 - standard and digital log measuring tools
 - personal protective equipment
- specifications:
 - access to workplace policies and procedure which cover current Work Health and Safety Acts or Occupation Health and Safety Acts, regulations and related industry standards and codes of practice applicable to forest harvesting operations
 - access to workplace policies and procedure which cover current Environment Protection Acts, regulations and related industry standards and codes of practice applicable to forest harvesting operations
 - access to production plan, site operational plan and log product specifications
 - access to site emergency procedure
 - access to workplace standard operating procedure for log segregation and sorting.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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