



Australian Government

FWPHAR3201 Monitor log recovery (rigging slinger)

Release: 2

FWPHAR3201 Monitor log recovery (rigging slinger)

Modification History

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 5.0.
Release 1	This version released with FWP Forest and Wood Products Training Package Version 2.0.

Application

This unit of competency describes the outcomes required to plan for and navigate the extraction or breakout of logs to the landing in a forest or forest farm setting. It requires the ability to direct choker setters, transmit signals to the yarder operator and assist with line shifts for cable logging operations.

The unit applies to job roles for monitoring log recovery including Rigging Slinger.

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

Pre-requisite Unit

Nil

Unit Sector

Harvesting and Haulage

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 for rigging slinger operations	1.1 Review work plan and check where required with appropriate personnel 1.2 Identify type and quantity of logs to be extracted and assess for safety and environmental protection practices 1.3 Select appropriate equipment and check for operational

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	effectiveness in line with manufacturer's recommendations 1.4 Plan cable operation activities in line with work order
2. Plan breakout	2.1 Plan and complete breakout operations in line with environmental conditions and workplace health and safety (WHS) procedures 2.2 Identify audible or visual signal system to be used 2.3 Assess site, rigged cable system and landing for slope, haul line, backline, lift capacity and landing chute 2.4 Identify obstacles to extraction operations and develop avoidance plan 2.5 Identify logs to be recovered with current and future haul lines 2.6 Assess information to plan extraction pattern for typical number and size of logs to be hauled 2.7 Plan line shifts during hauling; establish and prepare future rigging points and rigging
3. Direct hook up of logs	3.1 Select specific logs for next turn prior to return of rigging in line with planned operation 3.2 Assess stability of logs to be extracted and take precautions against movement in line with code of practice 3.3 Direct choker setters to prepare and hook up logs ready for extraction 3.4 Give haul signals, in line with code of practice, when all persons are clear from logs, bight of ropes and in a safe area 3.5 Monitor log movement and stop for corrective action when difficulties occur 3.6 Maintain control of movement using signalling systems until payload is in clear sight of yarder operator 3.7 Record and report breakout process and equipment faults in line with site procedures
4. Assist with line shifts	4.1. Clear all logs to be hauled with existing line position before line shift is initiated 4.2. Notch stumps in line with code requirements for the rigging method to be used 4.3. Pull slack on all lines prior to release of existing rigging 4.4. Dismantle rigging components from the existing line, check and

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	set up on new line 4.5. Move obstructions which may cause binding or damage during hauling 4.6. Rig spars, tail trees and intermediate supports in line with site procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	- Interpret: - workplace health and safety and other organisational procedures - work orders
Writing	Complete accurate reports on breakout process and equipment faults
Oral communication	- Ask questions and actively listen to clarify contents of work plans - provide clear, unambiguous verbal and non-verbal haul signals
Numeracy	- Identify quantities of logs within work plans and complete basic calculations of time required to complete activities - Complete routine calculations to determine lift capacity for rigging - Complete routine calculations to plan extraction pattern for number and size of logs to be hauled
Interact with others	Monitor harvest team activities and provide directions to ensure efficient and safe log recovery
Get the work done	- Identify operational, environmental and equipment problems and implement appropriate responses - Select, set up, use and dismantle appropriate rigging equipment for log recovery

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPHAR3201 Monitor log recovery (rigging slinger) Release 2	FWPHAR3201 Monitor log recovery (rigging slinger) Release 1	Minor edits to correct system errors (wrong performance criteria for element 4) and provide clarification	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 FWPHAR3201 Monitor log recovery (rigging slinger)

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that, on at least one occasion, the individual has:

- safely and efficiently monitored log recovery

In doing the above job, the individual has:

- performed rigging slinger operations to recover felled logs in line with a work order and within prescribed organisational tolerances
- planned the breakout process in line with site conditions
- monitored log recovery using one or more of the following cable systems:
 - high lead (no skyline)
 - standing skyline
 - running skyline
- assisted in shifting lines in line with the hook tender's instructions.

Knowledge Evidence

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

- content and application of applicable state or territory code of practice relevant to log recovery activities
- key features of varying site conditions and effects on log recovery, including:
 - fallen trees
 - general forest lean
 - ground growth
 - ground hazards and obstacles
 - ground slope

- density of trees
- wet and adverse weather conditions
- wind speed and direction
- environmental protection practices for forest and forest farm settings, including:
 - safe disposal of waste material
 - cleaning of plant, tools and equipment
- characteristics of trees
- industry standard lengths for logs
- techniques used by rigging slingers in the log recovery process, including:
 - log extraction methods
 - cable logging techniques
 - rigging techniques
- key features of varying signal systems used for log recovery activities, including:
 - talk-e-tooter signals
 - two-way radio
 - visual signals
 - whistle signals
- typical industry chain of command for communication of information and instruction
- purpose, features and operation of cable logging system components, including:
 - rigging components
 - cable systems: high lead (no skyline), standing skyline, running skyline
- organisational procedures specific to log recovery activities
- workplace health and safety with particular emphasis on use of equipment, including:
 - communication reporting lines
 - recording and reporting breakout process and equipment faults.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting
- resources, equipment and materials:
 - cable systems
 - yarder and anchors
 - rigging equipment for log recovery
 - signal system equipment
 - personal protective equipment suitable for log recovery activities
- specifications:
 - organisational policies and procedures relevant to monitoring log recovery

- work plan for log recovery activities with specific instructions for the work site
- applicable state or territory code of practice
- template reports for recording breakout process and equipment faults
- relationships:
 - a team of choker setters and yarder operators with whom the individual can interact.

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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