

**Modification history**

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 6.0.

FWPHAR3XXX	Monitor log recovery (rigging slinger)
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to plan for and navigate the extraction or breakout of logs to the landing in a forest or plantation operation. It includes directing choker setters, transmitting signals to the yarder operator and assisting with line shifts for cable logging operations.</p> <p>The unit applies to individuals who work as a rigging slinger operator in a cable logging operation in a forest or plantation setting.</p> <p>All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Harvesting and Haulage

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 order or instruction to determine job requirements and, where required, seek clarification from appropriate personnel 1.2 Review workplace health and safety procedures, including the use of personal protective equipment and safe manual handling techniques 1.3 Identify, assess and take actions to mitigate risks and hazards associated with rigging slinger activities in a cable logging operation 1.4 Identify workplace environmental protection procedures for minimising and disposing of waste material, recycling and reusing materials and cleaning tools and equipment 1.5 Consult with team members and other appropriate personnel to ensure that work is coordinated effectively with others in the workplace 1.6 Obtain tools and equipment needed for the work and check for correct operation and safety 1.7 Identify type and quantity of logs to be extracted 1.8 Plan rigger slinger activities according to work order or instructions
2. Plan breakout	2.1 Plan and complete breakout operations according to environmental conditions and workplace health and safety (WHS) procedures 2.2 Identify audible or visual signal system to be used 2.3 Identify obstacles to extraction operations and develop avoidance plan 2.4 Identify logs to be recovered with current and future haul lines 2.5 Assess information to plan extraction pattern for typical number and size of logs to be hauled 2.6 Plan line shifts during hauling 2.7 Establish and prepare future rigging points and rigging

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Direct hook up of logs	3.1 Select specific logs for next turn prior to return of rigging according to planned operation 3.2 Assess stability of logs to be extracted and take precautions against movement according to code of practice 3.3 Direct choker setters to prepare and hook up logs ready for extraction 3.4 Give haul signals, according to code of practice, when all persons are clear from logs, out of bight of ropes and are 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 according to code requirements for the rigging method to be used, as required 4.3. Pull slack on all lines prior to release of existing rigging, as required 4.4. Dismantle rigging components from the existing line, check and set up on new line, as required 4.5. Move obstructions that may cause binding or damage during hauling 4.6. Rig spars, tail trees and intermediate supports according to workplace procedures, as required

<b>Foundation Skills</b>	
<i>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.</i>	
<b>Skill</b>	<b>Description</b>
Learning	<ul style="list-style-type: none"> <li>Access and apply current information in logging code of practice on work practices</li> </ul>
Reading	<ul style="list-style-type: none"> <li>Read routine workplace health and safety instructions and signage</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Writing skills to complete routine workplace forms</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Ask questions to clarify contents of work order or instruction</li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Count number of logs</li> <li>Estimate dimensions of logs</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
FWPHAR3XXX Monitor log recovery (rigging slinger)	FWPHAR3201 Monitor log recovery (rigging slinger)		
<b>Links</b>		Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47</a>	

<b>TITLE</b>	<b>Assessment requirements for FWPHAR3XXX Monitor log recovery (rigging slinger)</b>
<b>Performance Evidence</b>	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that the individual has:</p> <ul style="list-style-type: none"> <li>planned and performed rigging slinger operations on four turns according to a work order</li> <li>assisted in shifting lines according to hook tender instructions on one occasion.</li> </ul>	

<b>Knowledge Evidence</b>	
<p>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</p> <ul style="list-style-type: none"> <li>content and application of applicable state or territory code of practice relevant to log recovery activities</li> <li>key features of varying site conditions and effects on log recovery, including: <ul style="list-style-type: none"> <li>fallen trees</li> <li>ground growth</li> <li>ground hazards and obstacles</li> <li>ground slope</li> <li>wet and adverse weather conditions</li> <li>wind speed and direction</li> </ul> </li> <li>environmental protection practices for forest and plantation operations: <ul style="list-style-type: none"> <li>safe disposal of waste material</li> <li>cleaning of plant, tools and equipment</li> </ul> </li> <li>characteristics of trees</li> <li>industry standard lengths for logs</li> <li>techniques used by rigging slingers in the log recovery process, including: <ul style="list-style-type: none"> <li>log extraction methods</li> <li>cable logging techniques</li> <li>rigging techniques</li> </ul> </li> <li>key features of varying signal systems used for log recovery activities, including: <ul style="list-style-type: none"> <li>tooter signals</li> <li>two-way radio</li> <li>visual signals</li> </ul> </li> <li>typical industry chain of command for communication of information and instruction</li> <li>purpose, features and operation of cable logging system components, including: <ul style="list-style-type: none"> <li>rigging components</li> <li>cable systems: high lead (no skyline), standing skyline, running skyline</li> </ul> </li> <li>organisational procedures specific to log recovery activities</li> <li>workplace health and safety with particular emphasis on use of equipment, including <ul style="list-style-type: none"> <li>communication reporting lines</li> <li>recording and reporting breakout safety and equipment faults.</li> </ul> </li> </ul>	

<b>Assessment Conditions</b>	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>physical conditions <ul style="list-style-type: none"> <li>skills must be demonstrated in a workplace location or an environment that accurately represents workplace conditions</li> </ul> </li> <li>resources, equipment and materials: <ul style="list-style-type: none"> <li>active cable logging system</li> <li>yarder and anchors</li> <li>rigging equipment for log recovery</li> <li>stems and/or logs</li> <li>signal system equipment</li> <li>personal protective equipment required in cable logging operations</li> </ul> </li> </ul>	

<b>Assessment Conditions</b>
<ul style="list-style-type: none"><li>• specifications<ul style="list-style-type: none"><li>• access to work order or instruction detailing log recovery activities to be carried out by operator</li><li>• access to workplace policies and procedures 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 log recovery and cable logging activities</li><li>• access to workplace policies and procedures which cover off on current Environment Protection Acts, regulations and related industry standards and codes of practice applicable to log recovery and cable logging activities</li><li>• access to workplace safety and environmental protection plans</li><li>• access to site emergency procedure</li><li>• access to workplace standard operating procedures or operator manual for cable logging equipment.</li></ul></li></ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>

<b>Links</b>	Companion Volume implementation guides are found in VETNet - <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47</a>
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