

FWP HARXXXX **Plan for and coordinate log recovery (hook tender)**

Deleted: Coordinate log recovery (hook tender)

Modification history

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 7.0.
Release 1	This version released with FWP Forest and Wood Products Training Package Version 1.0.

FWP HARXXXX	Plan for and coordinate log recovery (hook tender)
Application	<p>This unit of competency describes the skills and knowledge required to coordinate operational planning and setting up of cable log recovery systems in a forest or farm forest setting, including coordinating and supervising rigging slingers, yarders, choker setters and chasers.</p> <p>The unit applies to individuals whose job role includes coordinating the operational planning and setting up of cable log recovery systems in a forest or farm forest 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>Licensing, legislative, regulatory, or certification requirements apply to this unit in some states & territories at the time of publication and may differ according to jurisdiction.</p>
Prerequisite Unit	Nil
Unit Sector	Harvesting and Haulage (HAR)

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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 hook tender operations	<p>1.1 Review work order or instruction to determine job requirements, and where required, seek clarification from appropriate personnel</p> <p>1.2 Review workplace health and safety procedures, including the safe use of personal protective equipment, tools and equipment and manual handling techniques</p> <p>1.3 Identify, assess and take actions to mitigate risks and hazards associated with cable operation activities</p> <p>1.4 Identify and implement workplace environmental protection procedures for minimising and disposing of waste material, recycling and reusing materials and cleaning tools and equipment</p> <p>1.5 Identify emergency and evacuation procedures to follow in the event of an incident or accident</p> <p>1.6 Consult with appropriate personnel to ensure that work is coordinated effectively with others in the workplace</p> <p>1.7 Identify required type and quantity of cable recovery equipment and assess for safety and operational effectiveness in line with manufacturer recommendations</p> <p>1.8 Plan cable operation activities according to workplace health and safety (WHS) procedures and work plan.</p>

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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>
2. Plan cable system layout	2.1 Obtain and evaluate information to plan cable system layout and inspect site for hazards and factors affecting harvesting operations 2.2 Provide personnel with information about landing location and size, hauling boundaries, access routes and construction requirements 2.3 Consider code of practice, site topography, minimising system design additions and select cable system type to optimise log extraction rate 2.4 Identify general requirements for anchor points, backline and intermediate supports and provide instruction to fallers
3. Coordinate yarder and cable system set up	3.1 Select rope sizes for lines according to code of practice, yarder capacity and system design 3.2 Select components and rigging to meet code of practice requirements and system design 3.3 Inspect and install components and lines 3.4 Direct and assist personnel to layout lines, select anchors and position mobile backstops 3.5 Assess felled trees for location, size and obstructions; plan recovery extraction sequence to minimise line shifts, log and environmental damage 3.6 Select support trees and provide directions for rigging 3.7 Check unloaded and loaded system performance and calculate loads to ensure they are within system and equipment capacity 3.8 Monitor operations, change and communicate procedures or system design to improve safety and payload efficiency
4. Coordinate rigging of spars, towers and trees	4.1 Check cable system plans and determine operational requirements for tower, spars and support trees 4.2 Ensure rigging of spars, towers and trees complies with code of practice 4.3 Check and select spars or support trees to be rigged, guylines and anchor points 4.4 Select rigging and rope sizes to meet load 4.5 Provide directions to check components for wear, failure or missing parts prior to rigging; identify faults and take corrective action 4.6 Coordinate rigging on machine towers to prepare, assemble and fit operational lines, prior to raising according to system design 4.7 Identify climbing and pass line equipment 4.8 Coordinate guyline positioning and rigging within location angle requirements to provide minimal difference in length and tension 4.9 Check system components for size, safe working load, layout, position, safety straps, joins, lead angles and operating angles

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Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
5. Coordinate line shifts and rigging modifications	5.1 Anticipate line shifts and prepare required rigging in advance 5.2 Diagnose limitations of system design or positioning and plan modifications <u>according to</u> code of practice 5.3 Monitor operations <u>and as required</u> change and communicate procedures to improve safety and payload efficiency 5.4 Locate new support trees, anchor points and mobile tail anchor position 5.5 Assign riggers to prepare and rig <u>according to</u> system requirements 5.6 Record and report breakout processes and equipment faults <u>according to workplace</u> procedures.

Foundation Skills	
<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>	
Skill	Description
Numeracy	<ul style="list-style-type: none"> complete routine calculations to optimise log extraction rate for number and size of felled trees identify and interpret numerical requirements within codes of practice and manufacturer's recommendations complete calculations involving height, length, weight, tension, angles, loads to determine efficient and safe operational capacity of rigging identify boundaries on maps and plans and calculate spatial requirements for yarder and rigging operations
Oral communication	<ul style="list-style-type: none"> ask questions and actively listen to clarify contents of work plans provide clear, unambiguous rigging instructions to site personnel
Reading	<ul style="list-style-type: none"> read and comprehend familiar workplace documents including WHS procedures and operational manuals
Writing	<ul style="list-style-type: none"> complete workplace forms and reports on breakout process and equipment faults

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
FWPHARXXXX Plan for and coordinate log recovery (hook tender) Release 2	FWPHAR4202 Coordinate log recovery (hook tender) Release 1	Revised Title Updated Application Statement Revised Elements and Performance Criteria Update Performance	Equivalent
		Evidence and Assessment Conditions to comply with Standards for Training Packages	

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47
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TITLE	Assessment requirements for FWPHARXXXX - <u>Plan for and coordinate log recovery (hook tender)</u>
Performance Evidence	
An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.	
There must be evidence that the individual has:	
<ul style="list-style-type: none"><u>planned and coordinated</u> the establishment <u>one of the following cable recovery systems</u>:<ul style="list-style-type: none"><u>high lead (no skyline)</u><u>standing skyline</u><u>running skyline</u><u>coordinated hook tender operations for four turns of felled logs following workplace policies and procedures and related industry codes of practice for log recovery operations</u>	

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[all bullet points start with lower case
use past tense of verb to start dot points e.g. participated
format like this using style SI Bullet List 1
if a bullet point needs a second level bullet point format like this:
and then use SI Bullet List 2 for second level bullets
last bullet point end with full stop.]
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:
safely and efficiently design, plan and

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follow organisational policies and procedures relevant to coordinating log recovery (hook tender)
coordinate hook tender operations
establish these types of cable recovery systems:

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establish these types of lines:
extensions
guylines
haulback lines
mainlines
skylines
strawlines
establish these types of anchors:
block stumps
mobile backstops
tailholds.

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

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:	
<ul style="list-style-type: none"><u>content and application of applicable state or territory code of practice for log recovery activities</u>key features of these varying environmental conditions and effects on the layout, set up and operation of cable systems for log recovery:<ul style="list-style-type: none">fallen treesgeneral forest leanground growthground hazards and obstaclesground slopedensity of treeswet and adverse weather conditionswind speed and directionenvironmental protection practices for forest and forest farm settings:<ul style="list-style-type: none">safe disposal of waste materialcleaning of plant, tools and equipmentsoil and water protectionindustry standard lengths for logsoperational planning processes for:<ul style="list-style-type: none">designing and coordinating the establishment of cable recovery systemsdetermining the most time and cost effective method of log recoverytechniques used in cable log recovery:<ul style="list-style-type: none">log extraction methodsrigging techniquestypical industry chain of command for communication of information and instructionpurpose, features and operation of cable logging system and rigging components:cable systems:<ul style="list-style-type: none">high lead (no skyline)standing skylinerunning skylinesystem design additions:<ul style="list-style-type: none">blind leadsbridlingmultispansyarders and anchors:<ul style="list-style-type: none">anchorsblock stumpsmobile backstopstailholdslines:	

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Knowledge Evidence

- extensions
- guylines
- haulback lines
- mainlines
- skylines
- strawlines
- towers
- spars and support trees
- organisational procedures specific to cable log recovery coordination:
 - workplace health and safety with particular emphasis on use of equipment
 - communication reporting lines during set up and operation of cable systems for log recovery
 - recording and reporting breakout process and equipment faults.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a forest or wood products work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - coupe with logs for recovery
 - a team of rigging slingers, yarders, choker setters and chasers with whom the individual can interact
 - cable system and associated rigging equipment for log recovery yarder and anchors
 - personal protective equipment suitable for log recovery coordination
- specifications:
 - access to work order or instruction with specific instructions for cable logging operations
 - 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 cable logging operations
 - access to workplace policies and procedures which cover current Environment Protection Acts, regulations and related industry standards and codes of practice applicable to cable logging
 - workplace procedures for tree jacking operations

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

Links

Companion Volumes, including Implementation Guides, are available at VETNet:
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

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[physical conditions:]¶

[e.g. skills must be demonstrated in [a commercial kitchen/a racing stable/veterinary practice/vineyard] or an environment that accurately represents workplace conditions]¶

[resources, equipment and materials:]¶

[e.g. live horses]¶

[e.g. use of specific tools]¶

[e.g. use of specific items of personal protective equipment]¶

[specifications:]¶

[e.g. use of specific workplace documents such as policies, procedures, processes, forms]¶

[e.g. use of manufacturer's operating instructions for specific equipment, machinery, etc.]¶

[e.g. access to specific safety data sheets]¶

[e.g. use of workplace instructions/job specifications/client briefs]¶

[access to specific legislation/codes of practice]¶

[relationships: (include only if the individual needs to interact with internal and/or external people during assessment of skills):]¶

[e.g. client(s), customer(s)]¶

[e.g. team member(s), supervisor(s)]¶

[timeframes: (include only if time is an essential assessment condition)]¶

[e.g. according to time specified in job sheet]¶

[e.g. within a specific time period]¶

[final point only ends with a full stop.]¶

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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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Delete the following if there are no additional assessor requirements.¶

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The following resources must be made available:¶

cable systems¶

yarder and anchors:¶

anchors¶

block stumps¶

mobile backstops¶

tailholds¶

lines:¶

extensions¶

guylines¶

haulback lines¶