



Australian Government

FWPHAR2203 Hook up felled logs using cables (choker)

Release: 2

FWPHAR2203 Hook up felled logs using cables (choker)

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 fasten choker cables around logs for yarding from the cutting area to the landing, and to assist with line shifts. Work is completed in a forest or forest farm setting.

The unit applies to choker setters in a forest or forest farm environment.

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 choker setter operations	1.1 Review work order and, where required, check with appropriate personnel 1.2 Identify type and quantity of logs to be extracted and assess area for safety and environmental protection practices 1.3 Select appropriate personal protective and other equipment and check for operational effectiveness

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Plan choker setter and cable operations in line with work order
2. Hook up logs	2.1 Identify audible or visual signal system to be used 2.2 Select specific logs for next return prior to return of rigging in line with planned operations 2.3 Assess position of logs to be extracted in line with haul line, hook up point and likely movement 2.4 Monitor stability of logs to be extracted and take precautions against movement in line with logging code of practice 2.5 Direct and control positioning of rigging using signals and strawlines to facilitate planned hook ups 2.6 Pull out slack for chokers and grapple ropes to allow safe hook up. 2.7 Set chokers or grapples close to end of logs 2.8 Vacate to a safe area prior to signalling extraction 2.9 Record and report hook up process and equipment faults to rigging slinger
3. Assist with line shifts	3.1 Clear all logs to be hauled with existing line position before line shift is initiated 3.2 Notch stumps in line with code requirements and rigging method to be used 3.3 Pull slack on all lines prior to release of existing rigging 3.4 Dismantle rigging components on existing line, check and set up on new line 3.5 Move obstructions which may cause binding or damage during hauling 3.6 Assist climber to rig spars, tail trees and intermediate supports

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
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Skill	Description
Reading	- Interpret: - workplace health and safety and other organisational procedures - work orders
Writing	Complete accurate basic records for hook-up process and equipment faults
Oral communication	- Ask questions and actively listen to clarify contents of work orders - Provide clear, unambiguous verbal and non-verbal haul signals
Numeracy	Complete routine calculations to determine lift capacity for rigging
Get the work done	Efficiently and logically sequence the stages of preparation for and extraction of logs using work order to guide activities

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPHAR2203 Hook up felled trees (choker) Release 2	FWPHAR2203 Hook up felled logs using cables (choker) Release 1	Minor edits to achieve consistency with wording in another FWPHAR unit; enable flexibility of the unit application; 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 FWPHAR2203 Hook up felled logs using cables (choker)

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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 hooked up felled logs in line with work orders for recovery operations
- hooked up logs in varied weather conditions
- operated one or more of the following cable systems for felled logs:
 - high lead (no skyline)
 - standing skyline
 - running skyline
- assisted in shifting lines in line with the rigging slinger s instructions.

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:

- content and application of applicable state or territory code of practice relevant to log recovery activities
- environmental protection practices for forest and forest farm settings:
 - safe disposal of waste material
 - cleaning of plant, tools and equipment
- 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
- key features of varying weather conditions and effects on log recovery, including:
 - dry, wet and adverse weather conditions
 - low and moderate wind speed and direction
- characteristics of trees and logs can impact on hooking up felled logs with cables
- techniques used by choker setters in the log recovery process, including:
 - log hook-up 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 log extraction signals
- purpose, features and operation of cable logging system components:
 - 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
 - communication reporting lines
 - recording and reporting hook-up 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 including one or more of the following: high lead (no skyline), standing skyline, running skyline
 - yarder and anchors
 - rigging equipment for log recovery: blocks, bridling, rigging, chokers and grapple ropes, , lines, , pins, ropes, shackles, sheaves, , straps, strawlines, tail rope
 - signal system equipment
 - personal protective equipment suitable for log recovery activities
- specifications:
 - work order with specific instructions for log recovery activities

- template documents for recording hook-up process and equipment faults
- relevant personnel for the purposes of communicating information
- organisational procedures for log recovery activities.

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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