



Australian Government

FWPHAR3211 Operate yarder

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPIHAR3211B Operate yarder, which was first released with FPI11 Forest and Forest Products Training Package Version 1. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to set up and operate the yarder, inspect and modify rigging, pull logs from the cutting area to the landing, and to control speed, braking, drums, positioning of chokers and manoeuvring of obstacles.

The unit applies to those operating a yarder in a forest or farm forest environment.

Licensing, legislative, regulatory, or certification requirements apply to this unit in some states and territories at the time of publication, and may differ according to jurisdiction.

Pre-requisite Unit

Nil

Unit Sector

Harvesting and Haulage

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare for yarder operations	<p>1.1 Review work plan and clarify with appropriate personnel.</p> <p>1.2 Identify type and quantity of logs to be hauled and assess for safe working conditions.</p> <p>1.3 Plan yarder and cable operations in line with site procedures.</p>
2. Set up yarder	<p>2.1 Establish and maintain communication with other personnel to ensure safety.</p> <p>2.2 Move yarder to the landing in line with the logging code of practice.</p> <p>2.3 Position yarder is positioned on landing in line with planned system design and stable, level support base is ensured for outriggers.</p> <p>2.4 Inspect tower or spar is rigged to suit system design and raised in line with manufacturer's recommendations and the logging code of practice.</p> <p>2.5 Work with other personnel to tension lines with enough slack to facilitate yarder movements.</p>
3. Inspect and maintain cable systems	<p>3.1 Observe mechanical system components during normal operations, faults noted and corrective actions taken.</p> <p>3.2 Routinely inspect system components and maintain, repair or replace in line with the logging code of practice.</p> <p>3.3 Routinely inspected guylines and adjust tension to equalise load in line with the logging code of practice.</p> <p>3.4 Lubricate blocks to maintain operational condition.</p> <p>3.5 Diagnose repetitive damage and review and amend operational practices.</p>
4. Haul logs	<p>4.1 Carry out pre start-up checks are on equipment in line with site requirements.</p> <p>4.2 Perform yarder operations only in response to breakout, landing signals or own transmitted signals.</p> <p>4.3 Monitor, manage and control yarder mechanical systems are to maintain log alignment and satisfy safe operating limits.</p> <p>4.4 Control tension is in running and standing lines to optimise the lift and deflection consistency with payload and rope capacities.</p> <p>4.5 Anticipate hang ups and obstacles, halt haul and clear in cooperation with the rigging slinger.</p>

	<p>4.6 Use haul speed, line swing and bridling to position logs on the landing and control payloads in cooperation with the chaser.</p> <p>4.7 Return rigging to extraction point and position in line with signals from the rigging slinger.</p> <p>4.8 Record and report yarding process and equipment faults to the appropriate personnel.</p>
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Foundation Skills

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

Communication skills to:	<ul style="list-style-type: none"> interact verbally and non-verbally using hand signals and agreed gestures with others on site to ensure safe tree felling operations.
Reading skills to:	<ul style="list-style-type: none"> interpret site requirements, environmental information and manufacturer's instructions.
Writing skills to:	<ul style="list-style-type: none"> complete log book requirements, maintenance records.
Problem solving skills to:	<ul style="list-style-type: none"> to identify problems and equipment faults and select treatments.

Range of Conditions

Not Applicable

Unit Mapping Information

FPIHAR3211B Operate yarder

Links

Companion Volume Implementation Guide -

<http://www.skillsimpact.com.au/forestry-and-timber/skills-standards-and-qualifications/>