



Australian Government

Assessment Requirements for FWPHAR3231 Operate yarder

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 3.0.

Performance Evidence

An individual demonstrating competency must satisfy all the elements and performance criteria of this unit. There must be evidence that, on at least one occasion, the individual has:

- planned, prepared and safely and effectively operated a yarder and cable system to lift and carry stems and/or logs on slopes from the stump to the roadside or landing area in line with a production plan
- checked risks associated with the operation and applied standard operating procedures
- followed production plan requirements and site safety and environmental management plan
- set up a yarder and adjusted machine positioning technique in response to terrain conditions
- assisted to shift lines in line with the hook tender's instructions
- inspected and modified rigging
- pulled stems and/or logs from the stump to the roadside or landing area
- anticipated and cleared obstacles in cooperation with a rigging slinger
- applied speed, braking, drums and chokers techniques to manoeuvre obstacles and minimise damage to products, machine, cables and surrounding environment in line with the production plan requirements
- placed and stacked products for efficient extraction in line with the production plan requirements
- communicated effectively with rigging slinger and others in the work area
- shut down, de-energised and isolated machine in line with workplace procedures and operator's manual
- carried out routine maintenance on yarder parts.

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:

- information and requirements contained in a production plan and site safety and environmental management plans

- hazardous or safe working zones in forest harvesting operations
- health and operational hazards or risks related to yarder operations and factors that can change or introduce new hazards
- industry-accepted work health and safety risk control measures, legal obligations of the current Work Health and Safety Acts or Occupational Health and Safety Acts and regulations and requirements of industry standards and/or codes of practice for yarder operations as outlined in workplace procedures and production plan
- industry-accepted warning signs, their correct positioning, vehicle-to-vehicle communication systems and procedures to maintain communication and workplace safety during yarder operations
- required emergency response procedure including firefighting resources and emergency response
- potential impacts of yarder operations on onsite and offsite environmental values including cultural heritage, flora, fauna, ground compaction, water contamination and soil erosion
- industry-accepted environmental control measures, restrictions, legal obligations of the current Environment Protection Acts and regulations and requirements of industry standards and codes of practice for yarder operations as outlined in workplace procedures and production plan
- landings usage
- typical location of loading and/or landing site
- tree felling patterns
- extraction methods
- wood flow requirements and extraction and production bottlenecks particular to a production system
- effects of weather on ground conditions
- effects of slope and terrain conditions on yarder stability and operation
- machine specifications, restrictions and safe operating procedures including stability and operation in different terrain conditions and slopes and methods to shut down, de-energise and isolate the machine as outlined in workplace procedures or operator's manual
- cable systems used in yarder operations, application, maintenance and handling
- using machine cabin controls
- machine operating techniques to pull stems and/or logs and avoid mechanical damage to products during operations
- techniques to manoeuvre obstacles and minimise damage to products, machine, cables and environment
- techniques for positioning and stacking logs for efficient extraction
- methods to conduct machine and cable system pre-operational checks and detect faults as outlined in workplace procedures or operator's manual
- location of machine's major mechanical systems and parts of the machine in which energy is stored as outlined in operator manuals for safe and efficient conduct of the machine operator maintenance tasks
- machine and cable systems maintenance and servicing requirements as outlined in user or operator manuals

- industry-accepted reporting requirements regarding site, incident and hazard, personal reporting, check-in, production, machine maintenance and block completion.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated in a forest harvesting site or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - yarder
 - cable system for yarder
 - stems and/or logs to be carried with yarder
 - personal protective equipment required in harvesting operations
 - vehicle-to-vehicle communication system
- specifications:
 - 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 forest harvesting operations
 - access to workplace policies and procedures which cover current Environment Protection Acts, regulations and related industry standards and codes of practice applicable to forest harvesting operations
 - access to production plan and site safety and environmental management plans
 - access to site emergency procedure
 - access to workplace safe operating procedures for yarder or operator's manual
 - access to user manual for vehicle-to-vehicle communication system.

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

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>