



Australian Government

Assessment Requirements for FWPHAR3226 Operate feller buncher

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 feller buncher to fell trees and pre-bunch stems in line with cutting instructions and/or the production plan and optimum value recovery requirements
- checked risks associated with the operation and applied standard operating procedures
- followed production plan requirements, cutting instructions and site safety and environmental management plan
- planned cutting sequence
- adjusted machine driving and positioning technique in response to tree characteristics and terrain conditions
- applied felling techniques to minimise damage to the stem, standing trees, machine and environment in line with the production plan requirements
- adjusted operating techniques in response to unexpected characteristics, movement or condition of tree
- applied knowledge of tree species, quality characteristics and defects during operation in line with the production plan requirements
- positioned, stacked and presented stems for efficient transportation and identification in line with the production plan requirements
- communicated effectively with 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 feller buncher.

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, cutting instructions and site safety and environmental management plans
- hazardous or safe working zones in forest harvesting operations
- health and operational hazards or risks related to feller buncher operations and factors that can change or introduce new hazards or risks, including characteristics of difficult trees and risks associated with falling them safely
- 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 feller buncher 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 work safety during feller buncher operations
- required emergency response procedure including firefighting resources and emergency response
- potential impacts of feller buncher operations on onsite and offsite environmental values, including cultural heritage, flora, fauna, ground compaction, water contamination and soil erosion
- industry-accepted environmental control measures, environmental restrictions, legal obligations of current Environment Protection Acts and regulations and requirements of industry standards and/or codes of practice for feller buncher operations as outlined in workplace procedures and production plan
- typical location of loading and/or landing site
- extraction methods
- wood flow requirements and extraction and production bottlenecks particular to a production system
- tree species, quality characteristics, shape and defects particular to the site and production system
- regional quality requirements for log products with particular end uses, markets and values
- maximum stump height requirements and methods to achieve maximum stump height in response to unexpected characteristics or condition of the trees and ground level
- maximum stem damage and defect allowance and minimum quality allowance particular to a production system
- techniques particular to a production system to avoid mechanical damage to, or breakage of, stems and standing trees during operation; avoid incorrect or excessive log butting; stack, separate and present logs for efficient transportation and identification of the product
- effects of weather on ground conditions
- effects of slope and terrain conditions on feller buncher stability and operation
- machine specifications, restrictions and safe operating procedures, including stability and operation in different terrain conditions, slopes and road types, chain shot rules, methods to shut down, de-energise and isolate the machine and optimal direction of travel as outlined in workplace procedures or operator's manual
- using machine cabin controls

- techniques for safe and efficient driving of feller buncher
- 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
- method to conduct machine and cutting head attachment pre-operational checks and inspections to detect faults as outlined in workplace procedures or operator's manual
- machine maintenance and servicing requirements as outlined workplace procedures or operator's manual
- industry-accepted reporting requirements regarding site, incident and hazard, personal reporting, check-in, production, machine maintenance and block completion.

Assessment Conditions

Assessment of skills 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:
 - feller buncher
 - suitable trees to fell
 - 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 Occupational 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, cutting instructions and safety and environmental management plans
 - access to site emergency procedure
 - access to workplace safety procedures for operating single grip harvester or operator's manual
 - access to user manual for vehicle-to-vehicle communication unit.

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>

