



Australian Government

**Assessment Requirements for
FWPHAR2210 Operate a forest machine
simulator in a virtual environment**

Release: 1

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Modification History

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

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 used a simulator to demonstrate the operation of one type of forest machine in four different harvesting scenarios consistent with workplace conditions.

In undertaking this activity, the individual has:

- reviewed simulator activity requirements
- completed operator log-in
- identified forest machine simulator controls and functions
- selected and used simulator controls to drive forest machine and perform basic machine crane functions
- optimised position of forest machine in the virtual forest environment and selected correct angle and alignment of boom and attachments during simulated operation
- responded to variation in production targets, tree type, slope and terrain characteristics during simulation
- responded to on-screen and instructor advice and take corrective actions as required
- reviewed personal performance data on operation of forest machine simulator.

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:

- types, uses, capacity of forest machines
- pre-operational checks for forest machines, including service points
- basic components of forest machines
- forest machine hand controls and functions
- operator techniques for safe and efficient operations of forest machines
- basic machine alignment and boom geometry

- basic terminology related to forest machine operations
- basic effects of slope, weather and terrain conditions on forest machine stability and operation
- basic work site and communication requirements
- hazardous or safe working zones in forest machine operations
- health and operational hazards or risks related to forest machine operations
- personal protective equipment required in forest machine operations.

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 simulated environment that represents forest machine operations consistent with workplace conditions
- resources, equipment and materials:
 - forest machine simulator.

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>