



Australian Government

FWPHAR2210 Operate a forest machine simulator in a virtual environment

Release: 1

FWPHAR2210 Operate a forest machine simulator in a virtual environment

Modification History

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

Application

This unit of competency describes the skills and knowledge required to use a forestry machine simulator in a virtual forest environment for practicing work methods before learning to operate real equipment.

This unit does not provide technical skills and knowledge that enable a person to operate a forestry machine in the workplace, but rather provides foundation skills in forestry machine operations.

This unit does not include the use of on-board computing functions.

The unit applies to entry level workers who intend to pursue further training and work as forest machine operators in a forest or plantation setting.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Harvesting and Haulage (HAR)

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 to operate a forest machine simulator | 1.1 Review simulator activity requirements and, where required, seek clarification from simulator supervisor |

| Elements | Performance Criteria |
|--|--|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i> |
| | 1.2 Complete operator log-in |
| 2. Conduct pre-operational service and safety checks on a forest machine simulator | <p>2.1 Assess personal, machine and site hazards in virtual forest work site and need for personal protective equipment and effective communication procedures in real life work sites</p> <p>2.2 Complete virtual walk-round and inspection of forest machine to identify forest machine components, service points and faults</p> <p>2.3 Confirm setup for base machine in virtual forest environment to meet activity requirements</p> |
| 3. Operate a forest machine simulator | <p>3.1 Identify forest machine simulator controls and functions</p> <p>3.2 Select and use simulator controls to drive forest machine, including gear selection, steering, acceleration and reversing</p> <p>3.3 Use simulator controls to demonstrate basic machine crane functions according to simulator activity requirements</p> <p>3.4 Demonstrate use of forest machine attachments and functions in virtual forest environment as required</p> <p>3.5 Optimise position of forest machine in virtual forest environment and select the correct angle and alignment of boom and attachments during simulated operation</p> <p>3.6 Respond to variation in production targets, tree type, slope and terrain characteristics during simulation</p> <p>3.7 Respond to on-screen and instructor advice and take corrective actions as required</p> |
| 4. Review personal use of a forest machine simulator | <p>4.1 Review personal performance data on operation of forest machine simulator</p> <p>4.2 Participate in debriefing on operation of forest machine simulator with simulator supervisor</p> |

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 |
|--------------|--------------------|
|--------------|--------------------|

| Skill | Description |
|--------------------|--|
| Oral communication | <ul style="list-style-type: none"> Use appropriate vocabulary, including technical language directly relevant to role |
| Numeracy | <ul style="list-style-type: none"> Recognise and respond to basic symbols, numerical and graphical information shown on forest machine simulator displays |

Unit Mapping Information

| Code and title current version | Code and title previous version | Comments | Equivalence status |
|---|--|---|---------------------------|
| FWPHAR2210 Operate a forest machine simulator in a virtual environment | Not applicable | The unit has been created to address a skill or task required by industry that is not covered by an existing unit | Newly created |

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>