



**Australian Government**

# **Assessment Requirements for FWPHAR3218 Conduct loader operations**

**Release: 1**

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## Modification History

Release	Comment
1	<p>Replaces equivalent unit FPIHAR3218A Conduct loader operations, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.</p> <p>Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including Required Skills and Knowledge, Evidence Guide and Range Statement.</p>

## Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- operate a loader and lifting gear to complete tasks, chosen from the following list, in line with individual work orders:
  - tree removal
  - stripping
  - spreading materials
  - stockpiling
  - loading and unloading of trucks
  - loading mill decks
  - segregating and splitting of logs
  - bulk excavation
  - towing equipment
  - winching
  - boxing
- operate a loader and lifting gear to load, unload and stack logs for landing locations in line with an individual work order for each job
- complete operator maintenance after the completion of log transfer jobs.

## Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- environmental protection practices for operating loaders:
  - reducing water and energy use
  - cleaning plant, tools and equipment
  - disposing of, recycling and reusing timber and other waste
- common environmental and heritage concerns relevant to operating a loader and methods used to minimise damage:
  - dust
  - noise
  - water
  - flora and fauna
  - culturally sensitive sites and artefacts
  - plantations
  - native forest
- typical work flow processes for transferring materials and logs to and from designated areas
- typical workplace hazards present during transfer operations and methods of minimising risks
- capacity of loaders and attachments in relation to dimensions and weight
- operating techniques for loaders and range of movements
- methods to correctly load transfer equipment to ensure stability of load and equipment
- methods used to stack logs to ensure stability
- visual characteristics of logs and methods used to assess and segregate according to:
  - log species
  - diameter
  - length
  - grade
- key features of these varying signal systems used for transfer processes:
  - hand signals
  - whistles
  - sirens
  - loud speaker announcements
  - two way radios
- typical industry chain of command for communicating signals during transfer processes
- purpose, features, operation and shut down of loading equipment used to transfer materials and logs:
  - loaders
  - lifting gear:
    - slings
    - cables
    - grabs
- methods for:
  - assessing condition of loader parts

- removing and replacing defective parts
- organisational procedures specific to transferring materials and logs using loaders:
  - workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment
  - communication reporting lines
  - recording and reporting transfer processes, equipment faults and maintenance requirements.

## Assessment Conditions

The following resources must be made available:

- loaders
- lifting gear including:
  - slings
  - cables
  - grabs
- maintenance tools and equipment for removing and replacing defective loader parts
- communication equipment used to signal operation of loader
- personal protective equipment suitable for operating a loader
- commercial quantities of materials and logs to be shifted
- manufacturers' instructions for equipment use and maintenance
- work order with instructions for moving materials and logs to and from designated locations
- template documents for recording transfer processes, equipment faults and maintenance requirements
- relevant personnel for the purposes of communicating information
- organisational procedures for transferring materials and logs using loaders.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

### Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.
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## Links

Companion Volume Implementation Guide -

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