



Australian Government

**Assessment Requirements for
FWPHAR3219 Conduct excavator
operations with grabs**

Release: 1

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Modification History

Release	Comment
1	<p>Replaces equivalent unit FPIHAR3219A Conduct excavator operations with grabs, 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 an excavator, attachments and lifting gear to complete tasks, chosen from the following list, in line with individual work orders:
 - lifting and moving materials
 - tree removal
 - stripping
 - spreading materials
 - stockpiling
 - bulk excavation
 - land clearing
 - towing equipment
 - winching
 - boxing
 - constructing fire breaks
- complete operator maintenance after the completion of each of job.

Knowledge Evidence

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

- environmental protection practices for operating excavators:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing timber and other waste
- common range of environmental and heritage concerns relevant to operating an excavator methods used to minimise damage:
 - dust
 - noise
 - water
 - flora and fauna
 - culturally sensitive sites and artefacts
 - plantations
 - native forest
- typical workplace hazards present during excavator operations and methods of minimising risks
- capacity of excavators and attachments in relation to dimensions and weight
- operating techniques for excavators and range of movements
- methods to correctly position and secure excavators to ensure stability of load and equipment
- key features of these varying signal systems used for excavator operations:
 - hand signals
 - whistles
 - sirens
 - loud speaker announcements
 - two way radios
- typical industry chain of command for communicating signals during excavator operations
- purpose, features, operation and shut down of excavator equipment:
 - excavators
 - buckets
 - forks
 - lifting gear:
 - slings
 - cables
 - grabs
- methods for:
 - assessing condition of excavator parts
 - removing and replacing defective parts
- organisational procedures specific to operating excavators:
 - workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment
 - communication reporting lines

- recording and reporting process outcomes, equipment faults and maintenance requirements.

Assessment Conditions

The following resources must be made available:

- excavators
- lifting gear including:
 - slings
 - cables
 - grabs
- maintenance tools and equipment for removing and replacing defective excavator parts
- communication equipment used to signal operation of excavator
- personal protective equipment suitable for operating an excavator
- manufacturers' instructions for equipment use and maintenance
- work order with specific instructions for excavating operations
- template documents for recording process outcomes, equipment faults and maintenance requirements
- organisational procedures for operating excavators.

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.

Links

Companion Volume Implementation Guide -

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