



Australian Government

Assessment Requirements for FWPHAR4201 Apply tree jacking techniques

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPI HAR4201B Apply tree jacking techniques, 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. 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.

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:

- follow organisational policies and procedures relevant to tree jacking
- apply tree jacking techniques in line with the work order and within prescribed organisational tolerances
- conduct operator maintenance on a chainsaw.
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Knowledge Evidence

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

- key features of these varying environmental conditions and effects on tree felling:
 - general forest lean
 - ground growth
 - ground hazards and obstacles
 - ground slope
 - gullies
 - presence and density of seed and habitat trees
 - water courses
 - wet and adverse weather conditions
 - wind speed and direction

- environmental protection practices including:
 - safe disposal of waste material
 - cleaning of plant, tools and equipment
- typical tree defects and how these affect tree jacking and felling:
 - stability
 - insect defects
 - knots
 - resin pockets
 - shakes
- techniques used in the tree jacking process:
 - tree jacking
 - chainsaw cutting sequences and techniques used to control direction of fall
 - clearing trees that hang up
- communication methods used for tree jacking activities:
 - verbal
 - hand signals
 - eye contact with other operators
 - use of electronic communication devices
- typical industry chain of command for communication of information and instruction
- types of tree jacking tools and equipment; their purpose, features, operation and basic non-specialist repair and maintenance:
 - tree jacks
 - chainsaws
 - maintenance tools and equipment
 - personal protection equipment
- organisational procedures specific to tree jacking activities:
 - workplace health and safety with particular emphasis on pre-start up checks and equipment lock out for safe use of chainsaws
 - use and maintenance of equipment
 - communication reporting line during tree jacking process
 - recording and reporting tree jacking process and equipment faults.

Assessment Conditions

The following resources must be made available:

- tree jacks
- chainsaws
- maintenance tools and equipment for chainsaws and tree jacks
- personal protective equipment suitable for tree jacking activities and chainsaw maintenance
- manufacturers' instructions for use and maintenance of equipment

- work plan for tree jacking activities with specific instructions for the work site
- relevant personnel for the purposes of communicating information
- template reports for recording tree jacking process and equipment faults
- organisational and site procedures for tree jacking activities.

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 guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>