



Australian Government

FWPCOT2236 Fall trees manually (basic)

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT2236 Fall trees manually (basic), 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.

Application

This unit of competency describes the outcomes required to assess and manually fall small trees with a low level of complexity and to complete operator maintenance.

Basic trees typical to the scope of this unit may include the following characteristics:

- lean and distribution of the crown weight does not create a complex situation to assess or fell
- small dimensions relative to local forest size distribution
- no excessive lean
- no visible damage or defect
- species that are not prone to free splitting and adverse reactions during felling
- single stem or non-complex multi-stems
- diameter of tree is less than chainsaw bar length
- grown on terrain and slope that does not add significant complexity to the operation

The unit applies to those in a forest, agricultural, local council, emergencies services and other government agency environment. With the exception of minor forest produce, it is not relevant to commercial harvesting operations.

Licensing, legislative, regulatory, or certification requirements apply to this unit in some states & territories at the time of publication, and may differ according to jurisdiction.

Pre-requisite Unit

Nil

Unit Sector

Common Technical

Elements and Performance Criteria

ELEMENTS <i>Elements describe the essential outcomes.</i>	PERFORMANCE CRITERIA <i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare for felling	1.1 Identify and adhere to work specifications and site environmental protection measures relevant to felling basic trees in line with organisational requirements and relevant regulations 1.2 Review and check job requirements with appropriate personnel 1.3 Select tools and equipment appropriate to work requirements and check for operational effectiveness according to manufacturer recommendations 1.4 Identify trees to be retained and felled 1.5 Establish and maintain communication with others according to WHS requirements
2. Prepare for felling	2.1 Review location and stability for conditions likely to affect felling activities 2.2 Identify and report site environmental conditions to appropriate personnel 2.3 Identify and control potential and existing risks and hazards 2.4 Monitor and exclude location and activity of other personnel on the work site
3. Assess tree and plan felling	3.1 Assess limitations of own skills in safely felling trees, identify trees considered outside own skill level and seek assistance from appropriate personnel where required 3.2 Confirm that tree is safe to fell 3.3 Visually assess tree for felling characteristics, defects and stresses 3.4 Assess and check required falling direction and possible deviation 3.5 Plan sequence of cuts to fell tree according to standard felling procedures 3.6 Select suitable escape route and clear of growth and other obstacles according to environmental care principles and statutory requirements
4. Apply tree felling techniques	4.1 Fell individual trees using selected cutting techniques according to WHS and job requirements 4.2 Adjust cutting technique in response to movement and condition of tree

ELEMENTS	PERFORMANCE CRITERIA
	<p>4.3 Use planned escape route when tree starts to fall and monitor the fall and movement of tree on ground until determined stable</p> <p>4.4 Delay movement back into the felling area until all tree material, including from adjacent tree crowns, has fallen</p> <p>4.5 Identify and implement procedures for removal of trees that are hung-up</p> <p>4.6 Dispose of waste materials in line with environmental and operational requirements</p>
5. Maintain equipment	<p>5.1 Inspect equipment on completion of trimming and cutting activities</p> <p>5.2 Identify damaged saws and cutting attachments for repair or replacement according to organisational requirements and manufacturer recommendations</p> <p>5.3 Remove, clean, adjust or replace chain and other components according to manufacturer recommendations</p> <p>5.4 Maintain tools and equipment according to WHS requirements and manufacturer recommendations</p>

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.	
Numeracy skills to:	<ul style="list-style-type: none"> • estimate tree dimensions, including height, length, diameter and volume • complete routine calculations and report on size, length, diameter of felled trees.
Oral communication skills to:	<ul style="list-style-type: none"> • select and use appropriate spoken communication strategies with work colleagues and other personnel on site when felling trees • interpret hand signals with other operators to ensure safe tree felling
Reading skills to:	<ul style="list-style-type: none"> • interpret: <ul style="list-style-type: none"> • workplace health and safety and other organisational procedures • work orders • manufacturers' maintenance recommendations.
Writing skills to:	<ul style="list-style-type: none"> • complete accurate basic records for tree felling process, equipment faults and maintenance requirements.

Planning and organising skills to:	<ul style="list-style-type: none">• identify an unsafe tree• efficiently and logically sequence the stages of preparation for and felling of trees using work order to guide activities.
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Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT2236 Fall trees manually (basic)

Links

Companion Volume implementation guides are found in VETNet -

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