



Australian Government

Assessment Requirements for FWPFGM2215 Measure trees

Release: 1

Assessment Requirements for FWPFGM2215 Measure trees

Modification History

Release	Comment
1	Replaces equivalent unit FPIFGM2215B Measure trees, 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:

- on native or plantation trees, carry out tree measuring procedures without causing damage to tree, environment, equipment or personnel and including:
 - calculating stand height in line with sampling technique
 - measuring log volume and length
 - diameter and girth (over or under bark at breast height or ground level)
 - classifying stem form or crown class
 - identify and follow applicable commonwealth, state or territory legislative and regulatory requirements and codes of practice relevant to measuring trees
- identify tree form and abnormalities, including:
 - butt swell
 - double leaders
 - heavy branching
 - ramicorns
- use and maintain appropriate measuring tools including:
 - diameter tapes
 - length tapes
 - optical wedges
 - clinometers
- locate forest or plot area from map or plan
- communicate effectively and work safely with others

-

Knowledge Evidence

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

- tree measuring techniques, including relevant mathematical calculations and basic trigonometry including:
 - tolerances, allowances, calibration requirements and special procedures
 - tree diameter and girth (over or under bark at breast height or ground level)
 - tree height
 - log length
- organisational and site standards, requirements, policies and procedures for measuring trees
- environmental risks and hazards
- species and characteristics of vegetation to be measured, including plantation and native forest trees
- tree abnormalities including:
 - butt swell
 - double leaders
 - heavy branching
 - ramiforms
- types of measuring tools, and procedures for their safe use and maintenance, including:
 - diameter tapes
 - length tapes
 - optical wedges
 - clinometers
- established communication channels and protocols
- problem identification and resolution strategies, and common fault finding techniques
- procedures for recording and reporting workplace information

Assessment Conditions

The following resources must be made available:

- workplace location or simulated workplace that includes plantation or native forest trees
- materials and equipment relevant to undertaking work applicable to this unit including:
 - diameter tapes
 - length tapes
 - optical wedges
 - clinometers
- specifications and work instructions
- relevant personnel for the purposes of communicating information

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>