



Australian Government

Assessment Requirements for FWPHAR4207 Conduct a wood volume and yield assessment

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 7.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has, for a sample area, planned, implemented, reported on and reviewed one wood volume and yield assessment that includes:

- timber volume by class sizes
- timber quality
- timber damage
- form and rates of growth.

In undertaking this activity, the individual has:

- determined the sample area for the assessment
- documented a plan to assess wood volume and yield for the sample area
- negotiated a schedule for the assessment with other forest personnel
- coordinated personnel and resources for the assessment and obtained permits
- directed data collection activities
- ensured compliance with quality, workplace health and safety and environment protection procedures throughout the assessment
- accurately and safely calculated wood volume and yield from the sample area
- recorded and reported wood volume and yield assessment results
- reviewed assessment procedures for potential improvements.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- workplace policies and procedures for conducting a wood volume and yield assessment
- volumes and yields associated with different species that includes:
 - quantity (gross volume) of timber per hectare

- estimated yield (net volume) of useable timber per hectare
- assessment techniques and methods for measuring and calculating wood volume and yield equipment for conducting a wood volume and yield assessment.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a forest work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - an area of forest in which to conduct a wood volume and yield assessment
 - equipment for conducting a wood volume and yield assessment
- specifications:
 - work instructions for conducting a wood volume and yield assessment
 - workplace safety and environmental policies and procedures applicable to forestry operations
 - workplace procedures for conducting a wood volume and yield assessment.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>