



Australian Government

Assessment Requirements for FWPCOT3293 Use scanning equipment for timber grading

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 5.0.

Performance Evidence

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

There must be evidence that, on at least one occasion, the individual has:

- operated, monitored and troubleshoot scanning equipment for timber grading
- in doing the above job, the individual has:
 - followed work order and relevant workplace health and safety and environmental protection procedures
 - identified, assessed and taken actions to mitigate risks and hazards associated with operating scanning equipment
 - set up and tested scanning equipment
 - performed routine maintenance on scanning equipment
 - recorded grading outcomes according to workplace requirements.

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:

- timber grading standards
- types of scanning equipment used for timber grading:
 - optical (1–3 dimension)
 - X-ray
 - microwave
 - multispectral
 - acoustic
- functions of key components of scanning equipment, operating principles, details of the pre-use, calibration and safety checks, and operating procedures for the items used
- factors that may impact on the accuracy of scanning equipment and their control

- methods used to:
 - set up and test scanning equipment
 - clean and maintain scanning equipment
- awareness of environmental sustainability issues as they relate to the work task
- types of risk and hazards and mitigation measures associated with operating scanning equipment for timber grading
- legal, ethical and work health and safety requirements specific to the work task
- typical flow of material supply in and out of the grading area
- range of industry standard strength grades and thresholds and applicable terminology
- markings used on timber boards to identify grades
- reason for independent testing of boards and processes for sampling and preparing boards for testing.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a sawmill or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - scanning equipment for timber grading including one or more of the following: optical, X-ray, microwave, multispectral, acoustic scanning equipment
 - personal protective equipment for operating scanning equipment for timber grading
 - a variety of timber for grading
- specifications:
 - template documents for recording grading outcomes
 - manufacturer instructions for scanning equipment
 - work order with specific instructions for using scanning equipment for timber grading
 - workplace procedures for grading timber using scanning equipment.

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>