



Australian Government

Assessment Requirements for FWPCOT3267 Mechanically stress-grade engineered wood panels

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 4.0.

Performance Evidence

An individual demonstrating competency in this unit must satisfy all of the elements and performance criteria of this unit. There must be evidence that, on at least one occasion, the individual has:

- followed workplace health and safety requirements and environmental protection procedures for stress-grading engineered wood panels mechanically
- operated a mechanical stress-grading machine according to work orders and manufacturer recommendations to grade one or more of the following types of engineered wood panels:
 - laminated veneer
 - medium density fibreboard
 - chipboard
 - fibreboard
 - plywood
- completed operator maintenance on the mechanical stress-grading equipment.

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:

- health and safety hazards or risks related to mechanical stress-grading of engineered wood panels as identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides
- workplace procedures specific to mechanically stress-grading engineered wood panels:
 - health and safety, with particular emphasis on equipment lockout, use of personal protective equipment (PPE) and handling hazardous substances
 - use of mechanical grading equipment
 - communication reporting lines
 - recording and reporting production outcomes, equipment faults and maintenance requirements

- environmental protection practices for timber manufacturing facility settings:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of hazardous substances
- typical flow of material supply in and out of the grading area
- typical workflow processes and techniques used to stress-grade engineered wood panels mechanically
- range of industry standard strength grades and thresholds for engineered wood panels and applicable terminology
- markings used on engineered wood panels to identify grades
- reason for independent testing of engineered wood panels and processes for sampling and preparing engineered wood panels for testing
- purpose, features and operation of equipment used to stress-grade panels mechanically:
 - mechanical stress-graders or high-speed mechanical graders
 - spray guns
 - branding rolls
 - verification panels
- methods used to:
 - calibrate equipment to grades using verification panels
 - clean and maintain mechanical stress-grading equipment.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - mechanical stress-graders or high-speed mechanical graders
 - spray guns
 - branding rolls
 - maintenance tools and equipment for mechanical stress-graders
 - verification panels
 - consumable dye
 - PPE suitable for stress-grading engineered wood panels mechanically
 - engineered wood panels suitable for mechanical stress-grading operations
- specifications:
 - manufacturer instructions for use and maintenance of mechanical grading equipment
 - work order with specific instructions for types and quantities of engineered wood panels to be graded

- template documents for recording production outcomes, equipment faults and maintenance requirements
- workplace procedures for mechanically stress-grading engineered wood panels, including health and safety and emergency procedures and environmental protection procedures.

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>