



Australian Government

FWPCOT3245 Grade, sort and mark materials

Release: 2

FWPCOT3245 Grade, sort and mark materials

Modification History

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 3.0.
Release 1	This version released with FWP Forest and Wood Products Training Package Version 2.0.

Application

This unit of competency describes the outcomes required to visually evaluate material for classification into various strength or appearance grades. It includes sorting material into classifications, and marking material in line with site procedures.

The unit applies to those working in a wide of roles in the forestry and forest products industry.

No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Common technical

Elements and Performance Criteria

Element	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<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 grading, sorting and marking	1.1 Review and check work order. 1.2 Obtain type and quantity of material to be graded, sorted and marked from the storage location. 1.3 Select equipment to assist with moving, and check for operational

	effectiveness. 1.4 Review site procedures for grading, sorting and marking.
2. Implement procedures for grading, sorting and marking material	2.1 Identify requirements for material storage and subsequent processing operations. 2.2 Evaluate material characteristics and features of each piece against industry standards for grade type. 2.3 Measure moisture content, and follow procedures for recording and reporting. 2.4 Mark features clearly for docking. 2.5 Grade, mark and sort material according to grade classification, using markers or stickers that are clearly understood. 2.6 Record and report grading outcomes and distribution problems.
3. Distribute material	3.1 Material is directed and moved to storage or processing operations in line with site requirements. 3.2 Sub-standard material is rejected and disposed of in line with site requirements 3.3 On-site movement of material is monitored to ensure intended flow is achieved. 3.4 Storage locations are labelled in line with site systems.

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:	- measure moisture content - count required quantities of materials
Reading skills to:	- interpret work order - complete records and reports

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3245 Grade, sort and mark	FPICOT3245 Grade, sort and mark material	Updated unit sector information and corrected typographical errors	Equivalent unit

Code and title current version	Code and title previous version	Comments	Equivalence status
material Release 2	Release 1		

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for FWPCOT3245 Grade, sort and mark materials

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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:

- follow organisational policies and procedures relevant to grading, sorting and marking material
- safely and efficiently grade sort and mark materials from the workplace
- identify materials defects, including:
 - warp
 - wane
 - cupping
 - shakes
 - insect defects
 - loose or missing knots
 - resin pockets
 - dents
 - loose surface
 - lifting coatings
 - thin or missing coatings
 - chipped edges
 - splits
 - voids
 - splintered or missing edges
 - pin holes
- safely use workplace equipment for lifting and moving materials

- produce accurate reports and records.

Knowledge Evidence

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

- methods of visual estimation, grading, colour identification and tagging
- sorting, marking and distribution processes
- industry standard cross sections and lengths
- types of material for grading and sorting native timber species, imported timber species, dressed timber, in-the-rough timber, stress and non-stress graded timber, preservative treated timber, medium density fibreboard, laminated veneer, chipboard, plywood, fibreboard and other manufactured board products, coated and/or treated timber products, and debarked logs
- assessment of material for number and frequency of defects
- features including warp, wane, cupping, shakes, insect defects, loose or missing knots, resin pockets, dents, loose surface, lifting coatings, thin or missing coatings, chipped edges, splits, voids, splintered or missing edges, pin holes
- criteria for recycling and re-using sub-standard material
- safe disposal of waste preservative treated timber.

Assessment Conditions

The following resources must be made available:

- material and resources for grading and marking
- personal protective equipment required for grading, sorting and marking material.

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.

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