Modification history

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| Release | Comments |
| Release 2 | This version released with FWP Forest and Wood Products Training Package Version 5.0. |
| Release 1 | This version released with FWP Forest and Wood Products Training Package Version 2.0. |

| FWPCOT2212 | Grade hardwood sawn and milled products |
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| Application | This unit of competency describes the skills and knowledge required to visually assess hardwood sawn and milled products for classification into various appearance grades.  The unit applies to individuals who grade hardwood sawn and milled products in a timber processing or manufacturing facility.  All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.  No occupational licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Sawmilling and Processing  Timber Manufactured Products  Wood Panel Products |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Prepare for grading | 1.1 Review and clarify work order with appropriate personnel to determine hardwood sawn and milled products to be graded  1.2 Identify and apply workplace health and safety requirements including use of personal protective equipment and safe manual handling techniques  1.3 Identify, assess and take actions to mitigate risks and hazards associated with grading activities  1.4 Obtain type, dimension and quantity of sawn and milled products to be graded from storage locations  1.5 Select equipment, including lifting equipment, appropriate to work order and check for safety and operational effectiveness  1.6 Establish and maintain communication with others at the workplace to ensure safety |
| 2. Grade products | 2.1 Visually assess the size of sawn and milled products according to industry standards and estimated number of ranges  2.2 Evaluate the characteristics of each product against industry standards for grade type  2.3 Measure moisture content and evaluate against standards and seasoning requirements  2.4 Mark product characteristics for docking  2.5 Sort and label product according to grade classification  2.6 Reject and redirect substandard product for recycling or other uses according to workplace and environmental protection procedures  2.7 Record and report grading outcomes and distribution problems to appropriate personnel. |

| Foundation Skills  This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria. | |
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| Skill | Description |
| Oral Communication | * Respond to verbal questions on matters related to grading decisions and reuse or recycling of rejected materials |
| Numeracy | * Compare length of product with industry standard for cross section * Measure moisture content using a moisture meter * Calibrate measuring equipment. |
| Navigate the world of work | * Identify main tasks, responsibilities and boundaries of own role |
| Interact with others | * Conduct conversations relevant to the role by explaining and responding to questions * Use non-verbal modes of communication to convey information related to grading operations |
| Get the work done | * Identify and responds to routine problems * Use problem-solving skills to analyse product and process faults and decide on appropriate action |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| FWPCOT2212 Grade hardwood sawn and milled products  Release 2 | FWPCOT2212 Grade hardwood sawn and milled products  Release 1 | Minor edits | Equivalent |

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

| TITLE | Assessment requirements for FWPCOT2212 Grade hardwood sawn and milled products |
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| Performance Evidence | |
| A person 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:   * graded hardwood sawn products * graded hardwood milled products   For each of the above job, the individual has:   * reviewed work order to determine job requirements * obtained the type, dimension and quantity of product to be graded from storage locations * applied workplace health and safety requirements for the work * communicated effectively with others at the workplace * visually assessed product to be graded * evaluated the characteristics of the product against industry standards for grade type * measured and evaluated moisture content against standards and seasoning requirements * marked product characteristics for docking * sorted and labelled product according to the correct grade classification * rejected and disposed of sub-standard product * applied workplace procedures, standards and codes of practice for grading hardwood sawn and milled products * recorded and reported grading activity. | |

| Knowledge Evidence |
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| A person competent in this unit must be able to demonstrate knowledge of:   * industry standards and safe practices for grading hardwood sawn and milled products * risks and hazards associated with timber grading * workplace procedures for grading hardwood sawn and milled products: * health and safety with particular emphasis on equipment lockout and the use of personal protective equipment (PPE) * communication reporting lines * recording and reporting grading outcomes * criteria for recycling and re-using and redirecting sub-standard product for other use * methods of visual estimation, grading, colour identification and tagging * industry standard for cross sections and lengths * sorting, marking and distribution procedures * types, safe operation and maintenance of tools and equipment used in grading operations. |

| Assessment Conditions |
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| Assessment of the skills in this unit of competency must take place under the following conditions:   * physical conditions * skills must be demonstrated in a timber processing or manufacturing facility or an environment that accurately reflects workplace conditions * resources, equipment and materials * hardwood sawn and milled products for grading * measuring equipment * moisture meters * lifting equipment for the movement of sawn and milled products * PPE suitable for grading hardwood sawn and milled products * specifications * templates for recording timber grading activities * work order detailing materials to be graded * workplace standards for grading hardwood sawn and milled products.   Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and / or standards. |

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