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 |  |

| FWPCOT2214 | Grade cypress sawn and milled products |
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| Application | This unit of competency describes the skills and knowledge required to visually evaluate cypress sawn and milled product characteristics for classification into various appearance grades.  The unit applies to individuals who grade cypress 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 work order to determine job requirements and where required seek clarification from appropriate personnel  1.2 Identify and apply workplace health and safety requirements including the 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 cypress sawn and milled products  1.4 Identify and implement workplace procedures for minimising waste material and maximising energy efficiency  1.5 Obtain type and quantity of sawn and milled product to be graded from storage location  1.6 Select equipment appropriate to work order and check for operational effectiveness according to manufacturer recommendations  1.7 Establish and maintain communication with others at workplace to ensure safety |
| 2. Grade products | 2.1 Visually assess size of sawn and milled products according to industry standards and number of ranges estimated  2.2 Evaluate material 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 characteristics for docking  2.5 Sort material according to grade classification and clearly mark with markers or stickers  2.6 Reject of sub-standard material for disposal, recycling or reuse according to workplace requirements  2.7 Despatch graded material to appropriate storage locations  2.8 Record and report grading outcomes and distribution problems to appropriate personnel  2.9 Identify routine processing problems and resolve or report 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 orld 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 |
| FWPCOT2214Grade cypress sawn and milled products  Release 2 | FWPCOT2214 Grade cypress 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 FWPCOT2214 Grade cypress sawn and milled products |
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| Performance Evidence | |
| An individual demonstrating competency must satisfy all the elements and performance criteria in this unit. There must be evidence that, on at least one occasion, the individual has:   * graded cypress sawn * graded cypress milled products   For each of the above job, the individual has:   * prepared for grading cypress sawn and milled products * graded cypress sawn and milled products in readiness for storage or processing * followed work order for grading cypress sawn and milled products * worked safely and communicated effectively with others at work site * identified characteristics and defects in cypress sawn and milled products and marked for sorting * followed workplace procedures, standards and codes of practice for grading cypress sawn and milled products * recorded and reported grading activity. | |

| Knowledge Evidence |
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| 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:   * regulations, standards, policies and procedures for grading cypress 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 production outcomes, equipment faults and maintenance requirements * risks and hazards associated with grading timber * criteria for recycling re-using or redirecting sub-standard material to other uses * methods of visual estimation, grading, colour identification and tagging * sorting, marking and distribution processes * industry standard cross sections and lengths * storage systems and labelling procedures: * storage racks * storage bays * bins * stacks * pallet boxes * modularised storage components * temporary stacking bays (stand, frame or ground) * storage classifications: * standard product classification * product designation * size * dimension * stack number * weight * grade * shelf life * stock rotation position * characteristics of cypress sawn and milled products: * warp * wane * curvature * shakes * insect defects * knots * resin pockets * established communication channels and protocols * problem identification and resolution strategies, and common fault finding techniques * typical tools and equipment used for grading timber, along with their safe operation and maintenance * procedures for recording and reporting workplace information |

| 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 represents workplace conditions * resources, equipment and materials: * cypress sawn and milled products for grading * measuring equipment * moisture meters * lifting equipment for the movement of sawn and milled products * PPE suitable for grading cypress sawn and milled products * specifications * templates for recording timber grading activities * work order detailing materials to be graded * workplace standards for grading cypress 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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