

Modification history

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 7.0.

FWPCOT2XXX	Develop knowledge of the forest and wood products industry
Application	<p>This unit of competency describes the skills and knowledge required by new entrants to the forest and wood products industry to develop a contemporary view of the industry, identify potential career pathways and be aware of both the impact and opportunities that are being created by technological innovation and improved environmental management in the industry.</p> <p>The unit applies to entry level workers to the forest and wood products, particularly learners who are involved in school-based VET traineeships and other VET in school programs.</p> <p>No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Identify the scope of commercial forestry operations in Australia	1.1 Describe the forest management cycle 1.2 Distinguish between native forests and plantations 1.3 Identify the primary and secondary products of commercial forestry operations in Australia 1.4 Identify the contribution of commercial forestry operations to the Australian economy 1.5 Describe the social, cultural and economic importance of forests to key stakeholders including indigenous people and regional communities.
2. Identify the structure of the forest and wood products industry	2.1 Identify the key sectors of the forest and wood products industry, the products and services produced in each sector, the types of businesses operating in each sector, and the way in which the sectors interrelate 2.2 Source information on the structure of the forest and wood products industry
3. Identify occupations and career pathways in the forest and wood products industry	3.1 Identify career options in the forest and wood products industry 3.2 Describe a career pathway in the forest and wood products industry and the training and skill development options which are available for people pursuing this pathway 3.3 Source information on jobs and career pathways in the forest and wood products industry
4. Identify the types, properties and uses of timber products	4.1 Classify Australian commercial timber species as hardwood or softwood 4.2 Identify the properties and uses of the main Australian commercial timber species 4.3 Explain the benefits of using timber as a building material 4.4 Identify the emerging new uses of wood and wood residues and the potential impact of these on job opportunities and skills in the forest and wood products industry

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
5. Identify the impact of sustainability on the forest and wood products industry	5.1 Explain the importance of environmental care in the forest and wood products industry 5.2 Explain the principles of sustainable development and biodiversity and how they are they are implemented in the forest and wood products industry 5.3 Identify the impact that climate change and carbon reduction strategies may have on the forest and wood products industry 5.4 Source information on environmental management issues impacting on the forest and wood products industry
6. Identify the impact of technological innovation on the forest and wood products industry	6.1 Identify the transformative technologies that are impacting on the forest and wood products industry 6.2 Source information on transformative technologies in the forest and wood products industry

Foundation Skills	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Read standard texts and industry materials in print and electronic form to gather information on the forest and wood product industry
Writing	<ul style="list-style-type: none"> Take notes and record outcomes of research activities using paper based and digital technologies
Oral Communication	<ul style="list-style-type: none"> Ask questions to clarify information Use appropriate technical language to describe activities in the forest and wood products industry
Numeracy	<ul style="list-style-type: none"> Interpret basic numerical and graphical information

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT2XXX Develop knowledge of the forest and wood products industry	Not applicable	New unit	Not applicable

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47
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TITLE	Assessment requirements for FWPCOT2XXX Develop knowledge of the forest and wood products industry
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has researched, collated and presented information to another person or peer group on one of the following aspects of the forest and wood products industry:</p> <ul style="list-style-type: none"> • the scope of commercial forestry operations in Australia • the structure of the forest and wood products industry • occupations and career pathways in the forest and wood products industry • the types, properties and uses of timber products • the impact of sustainability on the forest and wood products industry • the impact of technological innovation on the forest and wood products industry. 	
Knowledge Evidence	
<p>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</p> <ul style="list-style-type: none"> • commercial forestry operations in Australia <ul style="list-style-type: none"> • forest management cycle • native forests and plantations • primary and secondary products of commercial forestry • social, cultural and economic importance of forests to stakeholders including indigenous people and regional communities • structure of forest and wood products industry <ul style="list-style-type: none"> • key sectors of the forest and wood products industry • products and services produced in each sector • the types of businesses operating in each sector • way in which the sectors interrelate • sources of information on the structure of the forest and wood products industry • types and sources of information on career options and pathways in the forest and wood products industry • timber products <ul style="list-style-type: none"> • types, properties and uses of Australian hardwood and softwood commercial timber species • benefits of using timber as a building material • emerging new uses of wood and wood residues • impact of sustainability on forest and wood products industry <ul style="list-style-type: none"> • importance of environmental care in the forest and wood products industry • principles of sustainable development and biodiversity and their application in the forest and wood products industry • climate change and carbon reduction strategies and their impact on the forest and wood products industry • sources of information on environmental management issues • impact of technological innovation on forest and wood products industry <ul style="list-style-type: none"> • types and impact of transformative technologies impacting on the forest and wood products industry - genetics, harvesting and processing technologies • sources of information on transformative technologies. 	
Assessment Conditions	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> • resources, equipment and materials: <ul style="list-style-type: none"> • online access to reference materials • reference materials and other sources of information on the forest and wood products industry appropriate for entry level workers, particularly learners who are involved in school-based VET traineeships and other VET in school programs. 	

Assessment Conditions

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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Links	Companion Volume implementation guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47
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