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FPI20111 Certificate II in Forest Growing and Management

Modification History

Qualification code updated to FPI10111 to reflect Training Package update from FPI05 Version 3 to FPI11 Version 1.

The following units have been added to the qualification as electives:

- AHCCHM304A Transport, handle and store chemicals
- FPICOT2236 Fall trees manually (basic)
- FPICOT3259 Operate a four-wheel drive vehicle on unsealed roads.

Description

This qualification is designed for job roles in the forest growing and management sector of the forest and forest products industry.

Pathways Information

This qualification has four employment pathways for typical operational environments of forest growing and management. These are:

- Forest officer
- Forest officer – Plantations
- Nursery technical assistant
- Plantation establishment technical assistant.

Entry may be gained through progression from a lower level FPI qualification or recognition of existing industry experience or qualifications.

This qualification may be suited to an Australian Apprenticeship pathway.

Licensing/Regulatory Information

Native FPI units may be subject to state or territory licensing, legislative, regulatory or certification requirements.

Some imported units in the elective bank may be subject to state or territory codes, regulations, licences and/or permits. These units must be implemented in line with the licensing requirements outlined in the unit's parent Training Package.

Entry Requirements

There are no entry requirements.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

The following table contains a summary of the employability skills for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on the packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Clarify legal and procedural requirements with appropriate personnel, to ensure consistency of interpretation and application • Communicate and work safely with others in the work area • Identify and comply with safety signs and symbols • Notify appropriate personnel and complete an incident report
Teamwork	<ul style="list-style-type: none"> • Receive and action feedback • Make constructive contributions to the group • Provide assistance to and seek assistance from co-workers to achieve work tasks • Share relevant workplace information with co-workers to achieve designated individual and team goals and objectives
Problem-solving	<ul style="list-style-type: none"> • Solve routine problems • Eliminate or reduce and report fire risks and hazards according to workplace procedures • Follow up instances of unclear visual communications to avoid repeated problems • Minimise immediate risk to self, as well as the health and safety of others, by controlling hazards according to occupational health and safety requirements
Initiative and enterprise	<ul style="list-style-type: none"> • Check own role and responsibilities with appropriate personnel according to organisational requirements • Note and communicate goals or outcomes to appropriate personnel • Recognise signs of fire and raise alarm at appropriate time according to workplace procedures • Suggest improvements to workplace practices and resource efficiency to relevant personnel
Planning and organising	<ul style="list-style-type: none"> • Locate, record and report workplace information • Comply with applicable legislative and procedural requirements in an ethical manner consistent with workplace standards • Maintain quality and product care according to environmental legislation and workplace procedures • Gather, convey and receive information

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Self-management	<ul style="list-style-type: none"> • Apply, follow and adhere to quality system procedures in personal work • Identify and comply with applicable occupational health and safety, legislative and organisational requirements relevant to communicating and interacting with others • Maintain work relationships • Follow environmental care procedures according to organisational requirements
Learning	<ul style="list-style-type: none"> • Identify and establish opportunities for professional development in consultation with appropriate personnel and according to organisational procedures • Record and report information regarding learning and competency development according to organisational requirements
Technology	<ul style="list-style-type: none"> • Request appropriate medical assistance using relevant communication media and equipment, which may include mobile phone, satellite phone, HF or VHF radio, flags, flares, two-way radio, email and electronic equipment

Packaging Rules

Packaging Rules

Total number of units = 13

- 6 core units *plus*
- 7 elective units, consisting of:
 - 3 units from Group A
 - up to 4 units from Group A and/or Group B
 - up to 2 units recommended for packaging at Certificate I, II or III level from this or any other endorsed Training Package or state/territory accredited course.

Elective units must be relevant to work undertaken in the forest growing and management sector of the industry

CORE UNITS

Field	Unit Code	Unit Name
Core	FPICOR2201B	Work effectively in the forest and forest products industry
	FPICOR2202B	Communicate and interact effectively in the workplace

FPICOR2203B	Follow environmental care procedures
FPICOR2204B	Follow fire prevention procedures
FPICOR2205B	Follow OHS policies and procedures
HLTFA301C	Apply first aid

GROUP A ELECTIVE UNITS

Field	Unit Code	Unit Name
Fire Control	AHCFIR201A	Assist with prescribed burning
	AHCWRK201A	Observe and report on weather
	FPIFGM2211B	Detect fires
	PUAEQU001B	Prepare, maintain and test response equipment
	PUAFIR201B	Prevent injury
	PUAFIR204B	Respond to wildfire (<i>unit has PUAFIR201B Prevent injury as a prerequisite</i>)
	PUAFIR209B	Work safely around aircraft
	PUALAW001B	Protect and preserve incident scene
	PUAOPE002B	Operate communications systems and equipment
	PUATEA001B	Work in a team
Site Establishment and Maintenance	AHCILM201A	Maintain cultural places
	AHCINF202A	Install, maintain and repair fencing
	AHCINF203A	Maintain properties and structures
	AHCIRG204A	Lay irrigation and/or drainage pipes
	AHCIRG206A	Maintain pressurised irrigation systems
	AHCPMG201A	Treat weeds
	AHCSAW201A	Conduct erosion and sediment control activities
	FPICOT2236	Fall trees manually (basic)
	FPIFGM2207B	Undertake brushcutting operations
	FPIFGM2210B	Implement animal pest control procedures
	FPIFGM2214B	Maintain visitor sites
	LGAWORK212A	Perform field support duties in a roadwork environment
	Breeding and Propagation	AHCNSY201A
AHCNSY203A		Undertake propagation activities
FPIFGM2201B		Collect seed
FPIFGM2202B		Prepare seedbed

	FPIFGM2209B	Cut, sort and set cuttings
	FPIFGM2212B	Graft cuttings
	FPIFGM2213B	Process seed
Tree Growing and Maintenance	AHCARB204A	Undertake standard climbing techniques
	AHCARB206A	Undertake stump removal
	AHCPMG202A	Treat plant pests, diseases and disorders
	AHCNSY202A	Tend nursery plants
	FPICOR2207B	Maintain quality and product care
	FPICOT2220B	Select trees for tending operations
	FPICOT2239A	Trim and cut felled trees
	FPIFGM2203B	Plant trees by hand
	FPIFGM2204B	Plant trees mechanically
	FPIFGM2205B	Prune trees
Grading and Testing	FPIFGM2206B	Collect data or samples for assessment
	FPIFGM2215B	Measure trees

GROUP B ELECTIVE UNITS

Field	Unit Code	Unit Name
Warehousing and Distribution	AHCNSY302A	Receive and dispatch nursery products
	FPICOT2228B	Store materials
Machinery and Equipment	AHCMOM202A	Operate tractors
	FPICOT2237A	Maintain chainsaws
	FPICOT3259	Operate a four-wheel drive vehicle on unsealed roads
Load Handling	TLIC2002A	Drive light rigid vehicle
	TLIC3003A	Drive medium rigid vehicle
	AHCCHM304A	Transport, handle and store chemicals
	TLID2004A	Load and unload goods/cargo
	TLID2010A	Operate a forklift
	TLID2012A	Operate specialised load shifting equipment
	TLILIC2001A	Licence to operate a forklift truck
Safety and Quality Processes	AHCCHM201A	Apply chemicals under supervision
	AHCWRK203A	Operate in isolated and remote situations
	FPICOT2233B	Navigate in forest areas

	RIOHS205A	Control traffic with stop-slow bat
Administration and Business	BSBINM201A	Process and maintain workplace information
	BSBITU201A	Produce simple word processed documents
	BSBWOR204A	Use business technology

FPI20211 Certificate II in Harvesting and Haulage

Modification History

Qualification code updated to FPI10111 to reflect Training Package update from FPI05 Version 3 to FPI11 Version 1.

The following units have been added to the qualification as electives:

- FPICOT2236 Fall trees manually (basic)
- FPICOT3259 Operate a four-wheel drive vehicle on unsealed roads.

Description

This qualification is designed for job roles in the harvesting and haulage sector of the forest and forest products industry.

Pathways Information

This qualification has three employment pathways for typical operational environments of harvesting and haulage. These are:

- Harvesting technical assistant
- Harvesting technical assistant (Cable logging)
- Harvesting technical assistant (Logging).

Entry may be gained through progression from a lower level FPI qualification or recognition of existing industry experience or qualifications.

This qualification may be suited to an Australian Apprenticeship pathway.

Licensing/Regulatory Information

Native FPI units may be subject to state or territory licensing, legislative, regulatory or certification requirements.

Some imported units in the elective bank may be subject to state or territory codes, regulations, licences and/or permits. These units must be implemented in line with the licensing requirements outlined in the unit's parent Training Package.

Entry Requirements

There are no entry requirements

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

The following table contains a summary of the employability skills for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on the packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Communicate details of an incident • Identify and comply with safety signs and symbols • Use appropriate communication and interpersonal techniques with colleagues and others
Teamwork	<ul style="list-style-type: none"> • Make constructive contributions to the group • Notify appropriate personnel in the event of an emergency • Report breaches or potential breaches of relevant environmental regulations to relevant personnel • Share relevant workplace information with co-workers to achieve designated individual and team goals and objectives
Problem-solving	<ul style="list-style-type: none"> • Identify and report occupational health and safety issues and risks in the work area to appropriate personnel • Identify problems and equipment faults and demonstrate appropriate response procedures • Identify and promptly report problems to appropriate personnel to avoid repetition of de-valued product
Initiative and enterprise	<ul style="list-style-type: none"> • Demonstrate effective response procedures to workplace risks, hazards and emergencies • Note and communicate goals and outcomes to appropriate personnel • Recognise signs of fire and raise alarm at appropriate time according to workplace procedures • Suggest improvements to workplace practices and resource

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	efficiency to relevant personnel
Planning and organising	<ul style="list-style-type: none"> • Locate, record and report information • Identify and comply with safety signs and symbols • Access and apply workplace safety procedures • Maintain quality and product care according to environmental legislation and workplace procedures • Follow safe workplace procedures for dealing with accidents and emergencies within scope of responsibilities
Self-management	<ul style="list-style-type: none"> • Follow and apply quality system procedures in personal work • Maintain work relationships • Follow environmental care procedures according to organisational requirements • Seek appropriate support to assist and improve own performance to achieve personal and organisational goals and objectives
Learning	<ul style="list-style-type: none"> • Identify and establish opportunities for professional development in consultation with appropriate personnel according to organisational procedures • Practise and carry out emergency and evacuation procedures in the event of an emergency • Record and report information regarding learning and competency development according to organisational requirements
Technology	<ul style="list-style-type: none"> • Select equipment appropriate to work task requirements and use according to manufacturer's recommendations, which may include telephones and other communications equipment, tools, machinery, vehicles, navigational aids, instruments, computers and computer software, printers, facsimile machines and photocopiers

Packaging Rules

Packaging Rules

Total number of units = 13

- 7 core units *plus*
- 6 elective units, consisting of:
 - 2 units from Group A
 - up to 4 units from Group A and/or Group B
 - up to 2 units recommended for packaging at Certificate I, II or III level from this or any other endorsed Training Package or state/territory accredited course.

Elective units must be relevant to work undertaken in the harvesting and haulage sector of the industry

CORE UNITS

Field	Unit Code	Unit Name
Core	FPICOR2201B	Work effectively in the forest and forest products industry
	FPICOR2202B	Communicate and interact effectively in the workplace
	FPICOR2203B	Follow environmental care procedures
	FPICOR2204B	Follow fire prevention procedures
	FPICOR2205B	Follow OHS policies and procedures
	FPICOR2207B	Maintain quality and product care
	HLTFA301C	Apply first aid

GROUP A ELECTIVE UNITS

Field	Unit Code	Unit Name
Fire Control	AHCWRK201A	Observe and report on weather
	PUAEQU001B	Prepare, maintain and test response equipment
	PUAFIR201B	Prevent injury
	PUAFIR204B	Respond to wildfire (<i>unit has PUAFIR201B Prevent injury as a prerequisite</i>)
	PUALAW001B	Protect and preserve incident scene
	PUAOPE002B	Operate communications systems and equipment
	PUATEA001B	Work in a team
Harvesting Operations	AHCARB204A	Undertake standard climbing techniques
	AHCARB206A	Undertake stump removal
	FPICOT2220B	Select trees for tending operations
	FPICOT2236	Fall trees manually (basic)
	FPIHAR2203B	Hook up felled logs using cables (choker)
	FPIHAR2204B	Perform landing duties (chaser)
	FPIHAR2205B	Conduct mobile splitting operations
	FPIHAR2206B	Operate a mobile chipper/mulcher
FPIHAR2207A	Trim and cut harvested trees	

Grading and Testing	FPICOT2223B	Segregate and sort logs
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GROUP B ELECTIVE UNITS

Field	Unit Code	Unit Name
Warehousing and Distribution	FPICOT2228B	Store materials
	TLID3033A	Operate a vehicle-mounted loading crane
Machinery and Equipment	FPICOT2237A	Maintain chainsaws
	FPICOT3259	Operate a four-wheel drive vehicle on unsealed roads
Load Handling	TLIC2002A	Drive light rigid vehicle
	TLIC3003A	Drive medium rigid vehicle
	TLID2004A	Load and unload goods/cargo
	TLID2010A	Operate a forklift
	TLILIC2001A	Licence to operate a forklift truck
Safety and Quality Processes	AHCILM201A	Maintain cultural places
	AHCWRK203A	Operate in isolated and remote situations
	FPICOT2233B	Navigate in forest areas
	RIOHS205A	Control traffic with stop-slow bat
Administration and Business	BSBINM201A	Process and maintain workplace information
	BSBITU201A	Produce simple word processed documents
	BSBWOR204A	Use business technology

FPI20311 Certificate II in Sawmilling and Processing

Modification History

Qualification code updated to FPI10111 to reflect Training Package update from FPI05 Version 3 to FPI11 Version 1.

The following units have been added to the qualification as electives:

- FPICOT2240 Cut material with a pole saw
- FPICOT3259 Operate a four-wheel drive vehicle on unsealed roads
- MEM18011C Shut down and isolate machines/equipment
- TLIF1002A Conduct housekeeping activities.

Description

This qualification is designed for job roles in the sawmilling and processing sector of the forest and forest products industry.

Pathways Information

This qualification has two employment pathways for typical operational environments of sawmilling and processing. These are:

- Sawmilling technical assistant – Hardwood
- Sawmilling technical assistant – Softwood.

Entry may be gained through progression from a lower level FPI qualification or recognition of existing industry experience or qualifications.

This qualification may be suited to an Australian Apprenticeship pathway.

Licensing/Regulatory Information

Native FPI units may be subject to state or territory licensing, legislative, regulatory or certification requirements.

Some imported units in the elective bank may be subject to state or territory codes, regulations, licences and/or permits. These units must be implemented in line with the licensing requirements outlined in the unit's parent Training Package.

Entry Requirements

There are no entry requirements

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

The following table contains a summary of the employability skills for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on the packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Convey information in simple language, and acknowledge and check message • Establish and maintain communication with others according to organisational policies and procedures • Identify and comply with safety signs and symbols • Use appropriate communication and interpersonal techniques with colleagues and others
Teamwork	<ul style="list-style-type: none"> • Check key legal and procedural principles relating to work order with appropriate personnel, according to organisational requirements • Make constructive contributions to the group • Provide assistance to and seek assistance from co-workers to achieve work tasks • Share relevant workplace information with co-workers to achieve designated individual and team goals and objectives
Problem-solving	<ul style="list-style-type: none"> • Follow safe workplace procedures and safe work instructions for controlling risks • Identify and report occupational health and safety issues and risks in the work area to appropriate personnel • Identify problems and equipment faults and demonstrate appropriate response procedures • Identify and promptly report problems to appropriate personnel to avoid repetition of de-valued product
Initiative and enterprise	<ul style="list-style-type: none"> • Apply safe work practices, including effective response procedures, to workplace risk and emergencies, according to applicable occupational health and safety and organisational requirements • Actively seek feedback on performance from appropriate personnel to confirm quality of performance and identify areas for improvement

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	<ul style="list-style-type: none"> Identify and report existing and potential hazards in the work area to appropriate personnel Review factors affecting the achievement of work tasks and report to appropriate personnel
Planning and organising	<ul style="list-style-type: none"> Locate, record and report workplace information Identify and comply with applicable legislative and procedural requirements in an ethical manner consistent with workplace standards Follow safe workplace procedures for dealing with accidents and emergencies within scope of responsibilities
Self-management	<ul style="list-style-type: none"> Follow and apply quality system procedures in personal work Maintain work relationships Follow environmental care procedures according to organisational requirements Seek appropriate support to assist and improve own performance to achieve personal and organisational goals and objectives
Learning	<ul style="list-style-type: none"> Identify and establish opportunities for professional development in consultation with appropriate personnel according to organisational procedures Practise and carry out emergency and evacuation procedures in the event of an emergency Record and report information regarding learning and competency development according to organisational requirements
Technology	<ul style="list-style-type: none"> Maintain machinery and adjust equipment to minimise product damage and waste Use relevant equipment to complete work tasks within designated timeframes, which may include telephones and other communications equipment, tools, machinery, vehicles, navigational aids, instruments, computers and computer software, printers, facsimile machines and photocopiers

Packaging Rules

Packaging Rules

Total number of units = 13

- 5 core units *plus*
- 8 elective units, consisting of:
 - 3 units from Group A
 - up to 5 units from Group A and/or Group B
 - up to 2 units recommended for packaging at Certificate I, II or III level from this or any other endorsed Training Package or state/territory accredited course.

Elective units must be relevant to work undertaken in the Sawmilling and Processing Sector of the industry

CORE UNITS

Field	Unit Code	Unit Name
Core	FPICOR2201B	Work effectively in the forest and forest products industry
	FPICOR2202B	Communicate and interact effectively in the workplace
	FPICOR2203B	Follow environmental care procedures
	FPICOR2205B	Follow OHS policies and procedures
	FPICOR2207B	Maintain quality and product care

GROUP A ELECTIVE UNITS

Field	Unit Code	Unit Name
Logyard and/or Material Preparation	FPICOT2226B	Debark logs mechanically
	FPICOT3203B	Weigh loads
Sawing Operations	FPICOT2202B	Rack material
	FPICOT2205B	Tail out materials
	FPICOT2208B	Resaw boards and timber
	FPICOT2218B	Cross cut materials with a fixed saw
	FPICOT2229B	Dock material to length
	FPICOT2238A	Cut materials with a hand-held chainsaw
	FPISAW2202B	Sort boards manually
FPISAW2203B	Sort boards mechanically	

	FPISAW2204B	Dock boards with mechanical feed
	FPISAW2207B	Round softwood logs
	FPISAW2208B	Split wood products
	FPISAW2209B	Dismantle, transport and assemble hand portable sawmill
Grading and Testing	FPICOT2212B	Grade hardwood sawn and milled products
	FPICOT2213B	Grade softwood sawn and milled products
	FPICOT2214B	Grade cypress sawn and milled products
	FPICOT2215B	Visually stress grade hardwood
	FPICOT2216B	Visually stress grade softwood
	FPICOT2217B	Visually stress grade cypress
	FPISAW2201B	Grade round poles and debarked logs
Timber Products	FPICOT2203B	Finish products
	FPICOT2207B	Dress boards and timber
	FPICOT2209B	Produce finger jointed timber
	FPICOT2211B	Produce pointed timber products
	FPICOT2222B	Produce laminated beams
	FPICOT2230B	Assemble products
	FPISAW2205B	Assemble materials using nail plates
Timber Drying and Treatment	FPISAW2206B	De-stack seasoning racks
	AHCCHM201A	Apply chemicals under supervision
	FPISAW2210B	Prepare for timber treatment operations
Woodchipping	FPICOT2225B	Chip or flake wood

GROUP B ELECTIVE UNITS

Field	Unit Code	Unit Name
Warehousing and Distribution	FPICOT2201B	Stack and bind material
	FPICOT2210B	Tally material
	FPICOT2227B	Process orders and despatch products
	FPICOT2228B	Store materials
	FPICOT2231B	Pack products

	TLIF1002A	Conduct housekeeping activities
Machinery and Equipment	FPICOT2219B	Use hand-held tools
	FPICOT2237A	Maintain chainsaws
	FPICOT2240	Cut material with a pole saw
	FPICOT3259	Operate a four-wheel drive vehicle on unsealed roads
	MEM18011C	Shut down and isolate machines/equipment
Competitive Manufacturing	MSACMS200A	Apply competitive manufacturing practices
Communication and Relationships	SIRXCCS002A	Interact with customers

FPI20411 Certificate II in Wood Panel Products

Modification History

Qualification code updated to FPI10111 to reflect Training Package update from FPI05 Version 3 to FPI11 Version 1.

The following units have been added to the qualification as electives:

- FPICOT2240 Cut material with a pole saw
- MEM18011C Shut down and isolate machines/equipment
- TLIF1002A Conduct housekeeping activities.

Description

This qualification is designed for job roles in the wood panel products sector of the forest and forest products industry.

Pathways Information

This qualification has three employment pathways for typical operational environments of wood panel products. These are:

- Board production technical assistant
- Veneer production technical assistant
- Wood panel production technical assistant.

Entry may be gained through progression from a lower level FPI qualification or recognition of existing industry experience or qualifications.

This qualification may be suited to an Australian Apprenticeship pathway.

Licensing/Regulatory Information

Native FPI units may be subject to state or territory licensing, legislative, regulatory or certification requirements.

Some imported units in the elective bank may be subject to state or territory codes, regulations, licences and/or permits. These units must be implemented in line with the licensing requirements outlined in the unit's parent Training Package.

Entry Requirements

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

The following table contains a summary of the employability skills for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on the packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Convey information in simple language, and acknowledge and check message • Establish and maintain communication with others according to organisational policies and procedures • Identify and comply with safety signs and symbols • Use appropriate communication and interpersonal techniques with colleagues and others
Teamwork	<ul style="list-style-type: none"> • Check key legal and procedural principles relating to work order with appropriate personnel, according to organisational requirements • Make constructive contributions to the group • Provide assistance to and seek assistance from co-workers to achieve work tasks • Share relevant workplace information with co-workers to achieve designated individual and team goals and objectives
Problem-solving	<ul style="list-style-type: none"> • Follow safe workplace procedures and safe work instructions for controlling risks • Identify and report occupational health and safety issues and risks in the work area to appropriate personnel • Identify problems and equipment faults and demonstrate appropriate response procedures • Identify and promptly report problems to appropriate personnel to avoid repetition of de-valued product
Initiative and enterprise	<ul style="list-style-type: none"> • Apply safe work practices, including effective response procedures, to workplace risk and emergencies, according to applicable occupational health and safety and organisational requirements • Actively seek feedback on performance from appropriate personnel to confirm quality of performance and identify areas for improvement

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	<ul style="list-style-type: none"> • Identify and report existing and potential hazards in the work area to appropriate personnel • Review factors affecting the achievement of work tasks and report to appropriate personnel
Planning and organising	<ul style="list-style-type: none"> • Locate, record and report workplace information • Identify and comply with applicable legislative and procedural requirements in an ethical manner consistent with workplace standards • Follow safe workplace procedures for dealing with accidents and emergencies within scope of responsibilities
Self-management	<ul style="list-style-type: none"> • Follow and apply quality system procedures in personal work • Maintain work relationships • Follow environmental care procedures according to organisational requirements • Seek appropriate support to assist and improve own performance to achieve personal and organisational goals and objectives
Learning	<ul style="list-style-type: none"> • Identify and establish opportunities for professional development in consultation with appropriate personnel according to organisational procedures • Practise and carry out emergency and evacuation procedures in the event of an emergency • Record and report information regarding learning and competency development according to organisational requirements
Technology	<ul style="list-style-type: none"> • Maintain machinery and adjust equipment to minimise product damage and waste • Use relevant equipment to complete work tasks within designated timeframes and according to workplace procedures, which may include telephones and other communications equipment, tools, machinery, vehicles, navigational aids, instruments, computers and computer software, printers, facsimile machines and photocopiers

Packaging Rules

Packaging Rules

Total number of units = 13

- 5 core units *plus*
- 8 elective units, consisting of:
 - 2 units from Group A
 - up to 6 units from Group A and/or Group B
 - up to 3 units recommended for packaging at Certificate I, II or III level from this or any other endorsed Training Package or state/territory accredited course.

Elective units must be relevant to work undertaken in the wood panel products sector of the industry

CORE UNITS

Field	Unit Code	Unit Name
Core	FPICOR2201B	Work effectively in the forest and forest products industry
	FPICOR2202B	Communicate and interact effectively in the workplace
	FPICOR2203B	Follow environmental care procedures
	FPICOR2205B	Follow OHS policies and procedures
	FPICOR2207B	Maintain quality and product care

GROUP A ELECTIVE UNITS

Field	Unit Code	Unit Name
Logyard and/or Material Preparation	FPICOT2218B	Cross cut materials with a fixed saw
	FPICOT2226B	Debark logs mechanically
Veneer/Board Production	FPICOT2202B	Rack material
	FPICOT2205B	Tail out materials
	FPICOT2207B	Dress boards and timber
	FPICOT2232B	Cut material to shape using a saw
	FPIWPP2201B	Cut panels
	FPIWPP2202B	Surface treat raw board
	FPIWPP2203B	Repair veneer and ply
	FPIWPP2204B	Repair veneer mechanically

	FPIWPP2206B	Prepare veneer for ply
	FPIWPP2207B	Scarf edges of veneer
	FPIWPP2208B	Cut veneer
	FPIWPP2209B	Saw products from continuous ply
	FPIWPP2210B	Cut panels to profile
Lamination and Finishing	FPICOT2203B	Finish products
	FPICOT2222B	Produce laminated beams
	FPICOT2224B	Band edges of panels
	FPICOT2230B	Assemble products
Grading and Testing	FPICOT2213B	Grade softwood sawn and milled products
	FPICOT2225B	Chip or flake wood
Woodchipping	FPIWPP2205B	Prepare chip or fibre blends

GROUP B ELECTIVE UNITS

Field	Unit Code	Unit Name
Warehousing and Distribution	FPICOT2201B	Stack and bind material
	FPICOT2210B	Tally material
	FPICOT2227B	Process orders and despatch products
	FPICOT2228B	Store materials
	FPICOT2231B	Pack products
Load Handling	TLIF1002A	Conduct housekeeping activities
	FPIWPP2211B	Move material by transfer equipment
	TLID2004A	Load and unload goods/cargo
	TLID2010A	Operate a forklift
	TLID2013A	Move materials mechanically using automated equipment
	TLID2047A	Prepare cargo for transfer with slings
	TLILIC2001A	Licence to operate a forklift truck
Machinery and Equipment	FPICOT2219B	Use hand-held tools
	FPICOT2237A	Maintain chainsaws
	FPICOT2240	Cut material with a pole saw

	MEM18011C	Shut down and isolate machines/equipment
Safety and Quality Processes	HLTFA301C	Apply first aid
Administration and Business	BSBINM201A	Process and maintain workplace information
	BSBITU201A	Produce simple word processed documents
	BSBWOR204A	Use business technology
Competitive Manufacturing	MSACMS200A	Apply competitive manufacturing practices
Communication and Relationships	SIRXCCS002A	Interact with customers

FPI30111 Certificate III in Forest Growing and Management

Modification History

Qualification code updated to FPI10111 to reflect Training Package update from FPI05 Version 3 to FPI11 Version 1.

The following units have been added to the qualification as electives:

- AHCCHM304A Transport, handle and store chemicals
- FPICOT3255 Apply silvicultural principles
- FPICOT3256 Apply biodiversity protection principles
- FPICOT3257 Follow cultural heritage requirements
- FPICOT3258 Comply with soil and water protection
- FPICOT3259 Operate a four-wheel drive vehicle on unsealed roads
- FPICOT3260 Recover four-wheel drive vehicles
- FPIFGM3212 Fall trees manually (intermediate)
- FPIFGM3213 Fall trees manually (advanced)
- FPIFGM3214 Operate a four-wheel drive vehicle in a towing situation
- FPIFGM3215 Perform complex four-wheel drive operations.

Description

This qualification is designed for job roles in the forest growing and management sector of the forest and forest products industry.

Pathways Information

This qualification has two employment pathways for typical operational environments of forest growing and management. These are:

- Forest technical officer
- Nursery technician.

Entry may be gained through progression from a lower level FPI qualification or recognition of existing industry experience or qualifications.

This qualification may be suited to an Australian Apprenticeship pathway.

Licensing/Regulatory Information

Native FPI units may be subject to state or territory licensing, legislative, regulatory or certification requirements.

Some imported units in the elective bank may be subject to state or territory codes, regulations, licences and/or permits. These units must be implemented in line with the licensing requirements outlined in the unit's parent Training Package.

Entry Requirements

There are no entry requirements

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

The following table contains a summary of the employability skills for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on the packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Communicate information from line manager/management to the team • Communicate unresolved issues to line manager/management and follow up to ensure action is taken in response • Use appropriate communication and interpersonal techniques with colleagues and others
Teamwork	<ul style="list-style-type: none"> • Actively encourage and support team members to participate in team activities and communication processes • Identify appropriate personnel in the event of an emergency
Problem-solving	<ul style="list-style-type: none"> • Limited responsibility for addressing issues, concerns and problems identified by team members or referring them to relevant persons as required • Follow safe workplace procedures and safe work instructions for controlling risks and protecting the environment • Identify problems, environmental issues and equipment faults and demonstrate appropriate response procedures • Monitor environmental measures and impact on the environment and take corrective action as required according to workplace procedures
Initiative and enterprise	<ul style="list-style-type: none"> • Detect and assess hazards in the work area and report to appropriate personnel • Encourage team members to participate in the planning, decision making and operational aspects of the work team to their level of responsibility • Monitor hazardous and flammable substances to assess the potential of spillage and combustion
Planning and organising	<ul style="list-style-type: none"> • Record and report workplace information and maintain documentation • Identify and comply with occupational health and safety,

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

	<p>legislative and organisational requirements relevant to implementing health, safety and environment policies and procedures</p> <ul style="list-style-type: none"> • Organise duties, equipment and materials according to health, safety and environmental requirements and organisational procedures • Plan evaluation processes according to site procedures
Self-management	<ul style="list-style-type: none"> • Ensure own contribution to work team serves as a role model for others and enhances the organisation's image within the work team, the organisation and with customers • Follow safe workplace procedures for dealing with environmental incidents, accidents and emergencies within scope of responsibilities • Integrate care for the environment into all day-to-day activities • Seek appropriate support to assist and improve own performance to achieve personal and organisational goals and objectives
Learning	<ul style="list-style-type: none"> • Identify opportunities for professional development • Implement training and operational controls according to workplace procedures, which may include: <ul style="list-style-type: none"> • in-house or external training programs • one-on-one supervision • programs that maintain up-to-date knowledge of legislative changes at the local, state and federal level • Practise and record emergency and evacuation procedures in the event of an emergency • Record and report information regarding learning and competency development according to organisational requirements
Technology	<ul style="list-style-type: none"> • Record and report health, safety and environment procedures according to workplace procedures, which may be manual, or using a computer-based system or other appropriate organisational communication system • Use and maintain relevant tools, machinery and equipment

Packaging Rules

FPI30111 Certificate III in Forest Growing and Management

Packaging Rules

Total number of units = 13

- 6 core units *plus*
- 7 elective units, consisting of:
 - 3 units from Group A
 - up to 4 units from Group A and/or Group B
 - up to 2 units recommended for packaging at Certificate II, III or IV level from this or any other endorsed Training Package or state/territory accredited course.

Elective units must be relevant to work undertaken in the forest growing and management sector of the industry

CORE UNITS

Field	Unit Code	Unit Name
Core	BSBFLM312C	Contribute to team effectiveness
	FPICOR2201B	Work effectively in the forest and forest products industry
	FPICOR2202B	Communicate and interact effectively in the workplace
	FPICOR3201B	Implement safety, health and environment policies and procedures
	FPICOR3203B	Evaluate fire potential and prevention
	HLTFA301C	Apply first aid

GROUP A ELECTIVE UNITS

Field	Unit Code	Unit Name
Fire Control	AHCWRK302A	Monitor weather conditions
	PUAFIR303B	Suppress wildfire (<i>unit has PUAFIR204B Respond to wildfire as a prerequisite</i>)
	PUAFIR309B	Operate pumps (<i>unit has the following prerequisite units – PUAFIR203B Respond to urban fire OR</i>

		PUAFIR202B Respond to isolated/remote structure fire OR PUAFIR204B Respond to wildfire OR PUAFIR205B Respond to aviation incident (specialist)
	PUALAW002B	Conduct initial investigation at incident scene
	PUAOHS002B	Maintain safety at an incident scene
	PUATEA002B	Work autonomously
Breeding and Propagation	AHCNSY301A	Maintain nursery plants
	AHCNSY306A	Implement a propagation plan
	FPIFGM3201B	Manage seed collection
	FPIFGM3202B	Extract seed
Site Establishment and Maintenance	AHCINF303A	Plan and construct conventional fencing
	AHCIRG301A	Implement a maintenance program for an irrigation system
	AHCIRG306A	Troubleshoot irrigation systems
	AHCLSC302A	Construct landscape features using concrete
	AHCLSC304A	Erect timber structures and features
	AHCSAW302A	Implement erosion and sediment control measures
	FPICOT3221B	Rehabilitate tracks, quarries and landings
	FPIFGM3209B	Construct and maintain forest roads and tracks
	FPIFGM3210B	Patrol forest
Grading and Testing	FPICOR3204B	Visually assess materials
	FPICOT3223B	Grade and mark logs
	FPICOT3250A	Prepare timber to meet import/export compliance requirements
Tree Growing & Maintenance	FPICOR3202B	Conduct quality and product care procedures
	FPICOT3252A	Use environmental care procedures to undertake fire salvage operations
	FPIFGM3212	Fall trees manually (intermediate)
	FPIFGM3213	Fall trees manually (advanced)

FPIFGM3206B	Plan and implement non-commercial thinning operations
FPIFGM3211B	Manage coppice stems
AHCPMG301A	Control weeds
AHCPMG302A	Control plants, pests, diseases and disorders
AHCARB307A	Undertake complex tree climbing

GROUP B ELECTIVE UNITS

Field	Unit Code	Unit Name
Machinery and Equipment	AHCMOM301A	Coordinate machinery and equipment maintenance and repair
	FPICOT3259	Operate a four-wheel drive vehicle on unsealed roads
	FPICOT3260	Recover four-wheel drive vehicles
	FPIFGM3214	Operate a four-wheel drive vehicle in a towing situation
	FPIFGM3215	Perform complex four-wheel drive operations
	FPICOT3238B	Operate a pole saw
Specialist Machinery and Equipment	A maximum of 2 units may be selected from this field	
	RIIHAN308A	Load and unload plant
	RIIMPO315A	Conduct tractor operations
	RIIMPO317A	Conduct roller operations
	RIIMPO318A	Conduct skid steer loader operations
	RIIMPO319A	Conduct backhoe/loader operations
	RIIMPO320A	Conduct civil construction excavator operations
	RIIMPO321A	Conduct civil construction wheeled front end loader operations
	RIIMPO322A	Conduct civil construction tracked front end loader operations
	RIIMPO324A	Conduct civil construction grader operations
	RIIVEH304A	Conduct tip truck operations
	TLID3036A	Lift and move load using a mobile crane
Load Handling	AHCCHM304A	Transport, handle and store chemicals
	TLID3011A	Conduct specialised forklift operations

	TLID3014A	Load and unload vehicles carrying special loads
Safety and Quality Processes	AHCCHM303A	Prepare and apply chemicals
	FPICOT3202B	Navigate in remote or trackless areas
	FPICOT3254A	Implement environmentally sustainable work practices in the work area/work site
	FPICOT3255	Apply silvicultural principles
	FPICOT3256	Apply biodiversity protection principles
	FPICOT3257	Follow cultural heritage requirements
	FPICOT3258	Comply with soil and water protection
	HLTFA402C	Apply advanced first aid (<i>unit has HLTFA301C Apply first aid as a prerequisite</i>)
	TLID3035A	Operate a boom type elevating work platform
	Administration and Business	BSBINM301A
BSBITU306A		Design and produce business documents
Communication and Relationships	BSBFLM303C	Contribute to effective workplace relationships
	FPICOT3222B	Present forestry information and interpretations programs
Planning and Analysis	BSBFLM305C	Support operational plan

FPI30211 Certificate III in Harvesting and Haulage

Modification History

Qualification code updated to FPI10111 to reflect Training Package update from FPI05 Version 3 to FPI11 Version 1.

The following units have been added to the qualification as electives:

- FPICOT3255 Apply silvicultural principles
- FPICOT3256 Apply biodiversity protection principles
- FPICOT3257 Follow cultural heritage requirements
- FPICOT3258 Comply with soil and water protection
- FPICOT3259 Operate a four-wheel drive vehicle on unsealed roads
- FPICOT3260 Recover four-wheel drive vehicles
- FPIFGM3214 Operate a four-wheel drive vehicle in a towing situation
- FPIFGM3215 Perform complex four-wheel drive operations
- FPIHAR3220 Harvest trees manually (intermediate)
- FPIHAR3221 Harvest trees manually (advanced).

Description

This qualification is designed for job roles in the harvesting and haulage sector of the forest and forest products industry.

Pathways Information

This qualification has two employment pathways for typical operational environments of harvesting and haulage. These are:

- Harvesting technical officer
- Log truck driver.

Entry may be gained through progression from a lower level FPI qualification or recognition of existing industry experience or qualifications.

This qualification may be suited to an Australian Apprenticeship pathway.

Licensing/Regulatory Information

Native FPI units may be subject to state or territory licensing, legislative, regulatory or certification requirements.

Some imported units in the elective bank may be subject to state or territory codes, regulations, licences and/or permits. These units must be implemented in line with the licensing requirements outlined in the unit's parent Training Package.

Entry Requirements

There are no entry requirements

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

The following table contains a summary of the employability skills for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on the packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Complete health, safety and environment, hazard, environmental and incident reports according to workplace procedures and state or territory legislation • Establish and maintain communication with others according to occupational health and safety requirements • Prepare reports to supervisors in a timely manner, presenting all relevant facts according to established organisational procedures • Record and report quality and product care procedures according to workplace procedures
Teamwork	<ul style="list-style-type: none"> • Seek first aid assistance from others in a timely manner • Share relevant workplace information with co-workers to achieve designated individual and team goals and objectives • Support team members in meeting expected outcomes
Problem-solving	<ul style="list-style-type: none"> • Participate in workplace meetings using agreed processes to resolve issues • Assess and rectify problems to avoid repetition of lost product within limits of own role • Monitor environmental measures and impact on the environment and take corrective action as required according to workplace procedures • Plan product recovery to optimise resource value and minimise waste
Initiative and enterprise	<ul style="list-style-type: none"> • Apply, implement and adhere to quality system procedures • Detect and assess hazards in the work area and report to appropriate personnel • Identify and clarify contradictions, ambiguity, uncertainty or misunderstandings with appropriate personnel • Monitor hazardous and flammable substances to assess the potential of spillage and combustion

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Planning and organising	<ul style="list-style-type: none"> • Gather, convey and receive information • Identify and assess organisational environmental goals • Plan evaluation processes according to site procedures • Identify, review and interpret work requirements
Self-management	<ul style="list-style-type: none"> • Complete daily work activities • Follow safe workplace procedures for dealing with environmental incidents, accidents and emergencies within scope of responsibilities • Integrate care for the environment into all day-to-day activities • Maintain work relationships
Learning	<ul style="list-style-type: none"> • Establish opportunities for professional development in consultation with appropriate personnel according to organisational procedures • Implement training and operational controls according to workplace procedures, which may include: <ul style="list-style-type: none"> • in-house or external training programs • one-on-one supervision • programs that maintain up-to-date knowledge of legislative changes at the local, state and federal level • Practise and record emergency and evacuation procedures in the event of an emergency • Record and report information regarding learning and competency development according to organisational requirements
Technology	<ul style="list-style-type: none"> • Monitor equipment conditions for overheating and electrical sparking and respond according to workplace procedures • Check equipment to ensure it is serviceable for emergencies

Packaging Rules

Packaging Rules

Total number units = 13

- 7 core units *plus*
- 6 elective units, consisting of:
 - 2 units from Group A
 - up to 4 units from Group A and/or Group B
 - up to 2 units recommended for packaging at Certificate II, III or IV level from this or any other endorsed Training Package or state/territory accredited course.

Elective units must be relevant to work undertaken in the harvesting and haulage sector of the industry

CORE UNITS

Field	Unit Code	Unit Name
Core	BSBFLM312C	Contribute to team effectiveness
	FPICOR2201B	Work effectively in the forest and forest products industry
	FPICOR2202B	Communicate and interact effectively in the workplace
	FPICOR3201B	Implement safety, health and environment policies and procedures
	FPICOR3202B	Conduct quality and product care procedures
	FPICOR3203B	Evaluate fire potential and prevention
	HLTFA301C	Apply first aid

GROUP A ELECTIVE UNITS

Field	Unit Code	Unit Name
Harvesting Operations	AHCARB307A	Undertake complex tree climbing
	AHCEXP303A	Prepare and use explosives
	FPICOT3226B	Shift forestry logs using trucks
	FPICOT3252A	Use environmental care procedures to undertake fire salvage operations
	FPICOT3253A	Convert timber residue into products for further use

	FPICOT3254A	Implement environmentally sustainable work practices in the work area/work site
	FPIHAR3201B	Monitor log recovery (rigging slinger)
	FPIHAR3216A	Conduct forestry operations using crawler tractor
	FPIHAR3217A	Conduct skidder operations
	FPIHAR3218A	Conduct loader operations
	FPIHAR3206C	Conduct forwarder operations
	FPIHAR3207C	Conduct feller buncher operations
	FPIHAR3208C	Conduct boom delimber operations
	FPIHAR3210C	Conduct mechanical processor operations
	FPIHAR3211B	Operate yarder
	FPIHAR3213B	Conduct mechanically assisted tree falling operations
	FPIHAR3214C	Operate a single grip harvester
	FPIHAR3215C	Operate a heavy production mobile chipper
	FPIHAR3219A	Conduct excavator operations with grabs
	FPIHAR3220	Harvest trees manually (intermediate)
	FPIHAR3221	Harvest trees manually (advanced)
Grading and Testing	FPICOR3204B	Visually assess materials
	FPICOT3223B	Grade and mark logs
	FPICOT3250A	Prepare timber to meet import/export compliance requirements
Machinery and Equipment	FPICOT3224B	Plan and monitor equipment maintenance

GROUP B ELECTIVE UNITS

Field	Unit Code	Unit Name
Fire Control	AHCWRK302A	Monitor weather conditions
	PUAFIR303B	Suppress wildfire (<i>unit has PUAFIR204B Respond to wildfire as a prerequisite</i>)
	PUAFIR309B	Operate pumps (<i>unit has three prerequisites –</i>

		<i>check training.gov.au)</i>
	PUAOHS002B	Maintain safety at an incident scene
	PUATEA002B	Work autonomously
Site	AHCNAR303A	Implement revegetation works
Establishment and Maintenance	FPICOT3221B	Rehabilitate tracks, quarries and landings
	FPIFGM3203B	Conduct an instrument survey
Machinery and Equipment	AHCMOM301A	Coordinate machinery and equipment maintenance and repair
	FPICOT3259	Operate a four-wheel drive vehicle on unsealed roads
	FPICOT3260	Recover four-wheel drive vehicles
	FPIFGM3214	Operate a four-wheel drive vehicle in a towing situation
	FPIFGM3215	Perform complex four-wheel drive operations
Specialist Machinery and Equipment	a maximum of 2 units may be selected from this field	
	RIIMPO315A	Conduct tractor operations
	RIIMPO317A	Conduct roller operations
	RIIMPO319A	Conduct backhoe/loader operations
	RIIMPO323A	Conduct civil construction dozer operations
	RIIMPO324A	Conduct civil construction grader operations
	RIIVEH304A	Conduct tip truck operations
	TLID3033A	Operate a vehicle-mounted loading crane
Load Handling	TLIC3063A	Operate vehicle carrying special loads
	TLID1001A	Shift materials safely using manual handling methods
	TLID3011A	Conduct specialised forklift operations
	TLID3014A	Load and unload vehicles carrying special loads
	TLIE3002A	Estimate/calculate mass, area and quantify dimensions

	TLIH2001A	Interpret road maps and navigate pre-determined routes
Specialised Log Truck Driver	One of the following may be selected:	
	TLIC3004A	Drive heavy rigid vehicle
	or TLILIC2016A	Licence to drive heavy rigid vehicle
	TLIC3005A	Drive heavy combination vehicle
	or TLILIC3017A	Licence to drive heavy combination vehicle
	TLIC4006A	Drive multi-combination vehicle
	or TLILIC3018A	Licence to drive multi-combination vehicle
Safety and Quality Processes	AHCWRK304A	Respond to rescue incidents
	FPICOT3202B	Navigate in remote or trackless areas
	FPICOT3255	Apply silvicultural principles
	FPICOT3256	Apply biodiversity protection principles
	FPICOT3257	Follow cultural heritage requirements
	FPICOT3258	Comply with soil and water protection
	HLTFA302A	Provide first aid in remote situation (<i>to be assessed in conjunction with or after HLTFA301C Apply first aid</i>)
	HLTFA402C	Apply advanced first aid (<i>unit has HLTFA301C Apply first aid as a prerequisite</i>)
	TLID3035A	Operate a boom type elevating work platform
	TLIF2010A	Apply fatigue management strategies
Administration and Business	BSBINM301A	Organise workplace information
	BSBITU306A	Design and produce business documents
Communication and Relationships	BSBFLM303C	Contribute to effective workplace relationships
	FPICOT3222B	Present forestry information and interpretations programs

Planning and
Analysis

BSBFLM305C

Support operational plan

Guidelines for use of qualification descriptors:

Descriptors are minimum industry recommendations to assist training providers, employers and trainees with the development of training plans for those employed in the job roles below. The qualification descriptor may be used to describe a specific job profile.

The use of a descriptor does not alter the nationally recognised qualification and the descriptor selected must adhere to the qualification's packaging rules.

Special requirements for log truck driver descriptor

Please note that the log truck driver descriptor can only be used when electives have been selected from the Group A and B list of units below.

In addition the learner must complete all units with an asterisk (*) in the Elective Groups A and B.

Log truck driver

To use this descriptor, elective units must be chosen from the following specialised elective groups:

GROUP A ELECTIVE UNITS

FPICOT3223B Grade and mark logs

FPICOT3224B Plan and monitor equipment maintenance

*FPICOT3226B Shift forestry logs using trucks

FPIHAR3218A Conduct loader operations

FPIHAR3219A Conduct excavator operations with grabs

**must be completed to achieve log truck driver descriptor*

GROUP B ELECTIVE UNITS

TLID1001A Shift materials safely using manual handling methods

TLID3014A Load and unload vehicles carrying special loads

TLIE3002A Estimate/calculate mass, area and quantify dimensions

*TLIF2010A Apply fatigue management strategies

TLIH2001A Interpret road maps and navigate pre-determined routes

**must be completed to achieve log truck driver descriptor*

At least one but no more than two of the following licensing/driving units must be completed to achieve Log truck driver descriptor:

TLIC407D Drive heavy rigid vehicle

or

TLILIC1609A Licence to drive heavy rigid vehicle

TLIC507D Drive heavy combination vehicle

or

TLILIC1709A Licence to drive heavy combination vehicle

TLIC607C Drive multi-combination vehicle

FPI30311 Certificate III in Sawmilling and Processing

Modification History

Qualification code updated to FPI10111 to reflect Training Package update from FPI05 Version 3 to FPI11 Version 1.

The following units have been added to the qualification as electives:

- FPICOT2240 Cut material with a pole saw
- FPICOT3259 Operate a four-wheel drive vehicle on unsealed roads
- FPICOT3260 Recover four-wheel drive vehicles
- FPIFGM3214 Operate a four-wheel drive vehicle in a towing situation
- MEM18011C Shut down and isolate machines/equipment
- TLIF1002A Conduct housekeeping activities.

Description

This qualification is designed for job roles in the sawmilling and processing sector of the forest and forest products industry.

Pathways Information

This qualification has three employment pathways for typical operational environments of sawmilling and processing. These are:

- Sawmilling processing technician
- Kiln operator
- Production technician.

Entry may be gained through progression from a lower level FPI qualification or recognition of existing industry experience or qualifications.

This qualification may be suited to an Australian Apprenticeship pathway.

Licensing/Regulatory Information

Native FPI units may be subject to state or territory licensing, legislative, regulatory or certification requirements.

Some imported units in the elective bank may be subject to state or territory codes, regulations, licences and/or permits. These units must be implemented in line with the licensing requirements outlined in the unit's parent Training Package.

Entry Requirements

There are no entry requirements

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
<p>The following table contains a summary of the employability skills for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on the packaging options.</p>	
Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Gather, receive and respond to verbal and written instructions • Record and report quality and product care procedures according to workplace procedures • Use appropriate communication and interpersonal techniques with colleagues and others
Teamwork	<ul style="list-style-type: none"> • Contribute to team outcomes • Communicate and work safely with others in the work area • Support team members in meeting expected outcomes
Problem-solving	<ul style="list-style-type: none"> • Limited responsibility for addressing issues, concerns and problems identified by team members or referring them to relevant persons as required • Identify and resolve problems • Record and report assessment outcomes and distribution problems according to workplace procedures • Visually evaluate material characteristics for defects and quality
Initiative and enterprise	<ul style="list-style-type: none"> • Efficiently and safely follow quality and product care procedures • Monitor quality of output and follow product care procedures • Reject and dispose of sub-standard materials according to site requirements
Planning and organising	<ul style="list-style-type: none"> • Record and report workplace information and maintain documentation • Follow quality and product care procedures according to environmental legislation and workplace procedures • Monitor on-site movement of material to ensure intended flow is achieved • Review work order and clarify with appropriate personnel
Self-management	<ul style="list-style-type: none"> • Ensure own contribution to work team serves as a role model for others and enhances the organisation's image within the work team, the organisation and with customers • Follow safe workplace procedures for dealing with environmental incidents, accidents and emergencies within

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	scope of responsibilities <ul style="list-style-type: none"> Integrate care for the environment into all day-to-day activities
Learning	<ul style="list-style-type: none"> Establish opportunities for professional development in consultation with appropriate personnel according to organisational procedures Practice and record emergency and evacuation procedures in the event of an emergency Record and report information regarding learning and competency development according to organisational requirements Support the team to identify and resolve problems impeding its performance
Technology	<ul style="list-style-type: none"> Select equipment appropriate to work requirements and check for operational effectiveness according to manufacturer recommendations, which may include moisture meters and lifting equipment for the movement of materials

Packaging Rules

Packaging Rules

Total number of units = 13

- 6 core units *plus*
- 7 elective units, consisting of:
 - 2 units from Group A
 - up to 5 units from Group A and/or Group B
 - up to 3 units recommended for packaging at Certificate II, III or IV level from this or any other endorsed Training Package or state/territory accredited course.

Elective units must be relevant to work undertaken in the sawmilling and processing sector of the industry

CORE UNITS

Field	Unit Code	Unit Name
Core	BSBFLM312C	Contribute to team effectiveness
	FPICOR2201B	Work effectively in the forest and forest products industry
	FPICOR2202B	Communicate and interact effectively in the workplace

CORE UNITS

FPICOR3201B	Implement safety, health and environment policies and procedures
FPICOR3202B	Conduct quality and product care procedures
FPICOR3204B	Visually assess materials

GROUP A ELECTIVE UNITS

Field	Unit Code	Unit Name
Logyard and/or Material Preparation	FPICOT3203B	Weigh loads
	FPICOT3227B	Receive and measure logs
Sawing Operations	FPISAW3202B	Produce sawn green boards
	FPISAW3203B	Break down logs
	FPISAW3204B	Saw flitches and cants
	FPISAW3227B	Select and saw logs in multi-species operations
	FPISAW3229B	Operate a portable sawmill
Grading and Testing	FPICOT3208B	Test strength of joints
	FPICOT3225B	Mechanically stress grade timber
	FPICOT3229B	Mechanically stress grade panels
	FPICOT3240B	Grade heavy structural/engineered products
	FPICOT3245B	Grade, sort and mark material
	FPICOT3246B	Test heavy structural/engineered products
	FPICOT3250A	Prepare timber to meet import/export compliance requirements
Timber Products	FPICOT3205B	Dress boards using multi-headed machines
	FPICOT3206B	Cut material using high speed optimiser
	FPICOT3207B	Set up, operate and maintain finger jointing operations
	FPICOT3209B	Set up, operate and maintain end matching operations
	FPICOT3230B	Operate automated stacking equipment
	FPICOT3234B	Cut material using CNC sizing machines
	FPICOT3235B	Machine material using CNC machining and processing centres
FPICOT3253A	Convert timber residue into products for further use	

CORE UNITS

	FPISAW3226B	Saw logs using CNC optimising systems
Timber Drying and Treatment	AHCCHM303A	Prepare and apply chemicals
	FPICOT3231B	Operate steam boiler
	FPICOT3232B	Operate heat plant
	FPICOT3248A	Dry timber in solar assisted kilns
	FPICOT3249A	Select timber preservation techniques
	FPISAW3201B	Treat timber
	FPISAW3205B	Dry hardwood
Sawdoctoring	FPISAW3206B	Dry softwood
	FPICOT3201B	Hand sharpen knives and blades
	FPICOT3211B	Maintain sawdoctoring tools
	FPICOT3212B	Replace saws, blades and guides
	FPICOT3213B	Manufacture cutting tools
	FPICOT3215B	Swage and shape saw blades
	FPICOT3216B	Assess and maintain saw performance
	FPICOT3217B	Assess and maintain cutter performance
	FPICOT3233B	Sharpen and align blades and knives
	FPICOT3237B	Produce templates
	FPISAW3207B	Sharpen band saws
	FPISAW3208B	Sharpen circular saws
	FPISAW3209B	Align sawing production systems
	FPISAW3210B	File and set saws
	FPISAW3211B	Recondition guides
	FPISAW3212B	Sharpen tipped circular saws
	FPISAW3213B	Level and tension circular saws
	FPISAW3214B	Join band saw blades
	FPISAW3217B	Hard face saw teeth
	FPISAW3218B	Replace tungsten tips
	FPISAW3219B	Replace stellite tips
	FPISAW3220B	Maintain wide band saw blades
	FPISAW3221B	Profile saw blanks
FPISAW3222B	Recondition band mill wheels	

CORE UNITS

Woodchipping	FPISAW3215B	Screen wood chips
	FPISAW3216B	Transfer wood chips
	FPISAW3223B	Assess wood chips
	FPISAW3224B	Coordinate and monitor the wood chip stockpile

GROUP B ELECTIVE UNITS

Field	Unit Code	Unit Name
Machinery and Equipment	FPICOT2240	Cut material with a pole saw
	FPICOT3224B	Plan and monitor equipment maintenance
	FPICOT3259	Operate a four-wheel drive vehicle on unsealed roads
	FPICOT3260	Recover four-wheel drive vehicles
	FPIFGM3214	Operate a four-wheel drive vehicle in a towing situation
	MEM18011C	Shut down and isolate machines/equipment
Load Handling	RIIMPO323A	Conduct civil construction dozer operations
	TLID3011A	Conduct specialised forklift operations
	TLID3014A	Load and unload vehicles carrying special loads
	TLID3043A	Shift loads using gantry equipment
Safety and Quality Processes	FPICOT3202B	Navigate in remote or trackless areas
	FPICOR3203B	Evaluate fire potential and prevention
	FPICOT3254A	Implement environmentally sustainable work practices in the work area/work site
	HLTFA402C	Apply advanced first aid (<i>unit has HLTFA301C Apply first aid as a prerequisite</i>)
	TLID3035A	Operate a boom type elevating work platform
	TLIF1002A	Conduct housekeeping activities
Administration and Business	BSBINM301A	Organise workplace information
	BSBITU306A	Design and produce business documents
Communication and Relationships	BSBFLM303C	Contribute to effective workplace relationships
Competitive Manufacturing	MSACMS200A	Apply competitive manufacturing practices
	MSACMT460A	Facilitate the use of planning software systems in manufacturing (<i>unit has MSACMT260A Use</i>)

CORE UNITS

		<i>planning software systems in manufacturing as a prerequisite)</i>
Planning and Analysis	BSBFLM305C	Support operational plan

FPI30411 Certificate III in Wood Panel Products

Modification History

Qualification code updated to FPI10111 to reflect Training Package update from FPI05 Version 3 to FPI11 Version 1.

The following units have been added to the qualification as electives:

- FPICOT2240 Cut material with a pole saw
- MEM18011C Shut down and isolate machines/equipment
- TLIF1002A Conduct housekeeping activities.

Description

This qualification is designed for job roles in the wood panel products sector of the forest and forest products industry.

Pathways Information

This qualification has three employment pathways for typical operational environments of wood panel products. These are:

- Board production technician
- Board production technician – Laminates
- Veneer production technician.

Entry may be gained through progression from a lower level FPI qualification or recognition of existing industry experience or qualifications.

This qualification may be suited to an Australian Apprenticeship pathway.

Licensing/Regulatory Information

Native FPI units may be subject to state or territory licensing, legislative, regulatory or certification requirements.

Some imported units in the elective bank may be subject to state or territory codes, regulations, licences and/or permits. These units must be implemented in line with the licensing requirements outlined in the unit's parent Training Package.

Entry Requirements

There are no entry requirements

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

The following table contains a summary of the employability skills for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on the packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Gather, receive and respond to verbal and written instructions • Record and report quality and product care procedures according to workplace procedures • Use appropriate communication and interpersonal techniques with colleagues and others
Teamwork	<ul style="list-style-type: none"> • Contribute to team outcomes • Communicate and work safely with others in the work area • Encourage and support team members to take responsibility for their own work and assist each other in undertaking required roles and responsibilities • Support team members in meeting expected outcomes
Problem-solving	<ul style="list-style-type: none"> • Address issues, concerns and problems identified by team members or refer to relevant persons as required • Identify and resolve problems • Record and report assessment outcomes and distribution problems according to workplace procedures • Visually evaluate material characteristics for defects and quality
Initiative and enterprise	<ul style="list-style-type: none"> • Efficiently and safely follow quality and product care procedures • Monitor quality of output and follow product care procedures • Reject and dispose of sub-standard materials according to site requirements
Planning and organising	<ul style="list-style-type: none"> • Record and report workplace information and maintain documentation • Follow quality and product care procedures according to environmental legislation and workplace procedures • Identify team purpose, roles, responsibilities, goals, plans and objectives in consultation with team members • Monitor on-site movement of material to ensure intended

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	<p>flow is achieved</p> <ul style="list-style-type: none"> • Review work order and clarify with appropriate personnel
Self-management	<ul style="list-style-type: none"> • Ensure own contribution to work team serves as a role model for others and enhances the organisation's image within the work team, the organisation and with customers • Follow safe workplace procedures for dealing with environmental incidents, accidents and emergencies within scope of responsibilities • Integrate care for the environment into all day-to-day activities
Learning	<ul style="list-style-type: none"> • Establish opportunities for professional development in consultation with appropriate personnel according to organisational procedures • Practise and record emergency and evacuation procedures in the event of an emergency • Record and report information regarding learning and competency development according to organisational requirements • Support the team to identify and resolve problems impeding its performance
Technology	<ul style="list-style-type: none"> • Select equipment appropriate to work requirements and check for operational effectiveness according to manufacturer's recommendations, which may include moisture meters and lifting equipment for the movement of materials

Packaging Rules

Packaging Rules

Total number of units = 13

- 6 core units *plus*
- 7 elective units, consisting of:
 - 2 units from Group A
 - up to 5 units from Group A and/or Group B
 - up to 3 units recommended for packaging at Certificate II, III or IV level from this or any other endorsed Training Package or state/territory accredited course.

Elective units must be relevant to work undertaken in the wood panel products sector of the industry

CORE UNITS

Field	Unit Code	Unit Name
Core	BSBFLM312C	Contribute to team effectiveness
	FPICOR2201B	Work effectively in the forest and forest products industry
	FPICOR2202B	Communicate and interact effectively in the workplace
	FPICOR3201B	Implement safety, health and environment policies and procedures
	FPICOR3202B	Conduct quality and product care procedures
	FPICOR3204B	Visually assess materials

GROUP A ELECTIVE UNITS

Field	Unit Code	Unit Name
Logyard and/or Material Preparation	FPICOT2225B	Chip or flake wood
	FPICOT3203B	Weigh loads
	FPICOT3227B	Receive and measure logs
Grading and Testing	FPICOT3253A	Convert timber residue into products for further use
	FPICOT3229B	Mechanically stress grade panels
	FPICOT3245B	Grade, sort and mark material
	FPICOT3250A	Prepare timber to meet import/export compliance requirements
Board/Veneer Production	FPIWPP3229B	Classify flake
	FPICOT3206B	Cut material using high speed optimiser
	FPICOT3234B	Cut material using CNC sizing machines
	FPICOT3235B	Machine material using CNC machining and processing centres
	FPICOT3249A	Select timber preservation techniques
	FPISAW3226B	Saw logs using CNC optimising systems
	FPIWPP2201B	Cut panels
	FPIWPP3201B	Produce veneer from debarked logs

	FPIWPP3204B	Form board
	FPIWPP3205B	Match and join veneer
	FPIWPP3207B	Clip veneer
	FPIWPP3211B	Maintain caul plates and screens
	FPIWPP3213B	Heat treat material
	FPIWPP3216B	Press material using the daylight process
	FPIWPP3217B	Process production effluent
	FPIWPP3218B	Coordinate machining of panels
	FPIWPP3219B	Blend and test binding mixes
	FPIWPP3221B	Trim new panels to size
	FPIWPP3223B	Immunise veneer
	FPIWPP3226B	Operate a continuous press
	FPIWPP3230B	Produce decorative veneers
	FPIWPP3231B	Produce veneer from prepared flitches
Lamination and Finishing	FPICOT3228B	Plane/sand panels
	FPIWPP3202B	Paint panels
	FPIWPP3206B	Laminate and veneer board surfaces
	FPIWPP3208B	Punch peg holes in panels
	FPIWPP3209B	Prepare resin and additives
	FPIWPP3210B	Laminate board
	FPIWPP3214B	Treat paper
	FPIWPP3215B	Cut paper
	FPIWPP3220B	Plan and coordinate panel painting
	FPIWPP3222B	Press laminated ply
	FPIWPP3224B	Profile sand products
	FPIWPP3225B	Produce profile sanding shoes and wheels
	FPIWPP3227B	Vacuum paint
	Timber Drying and Treatment	FPICOT3231B
FPICOT3232B		Operate heat plant
FPICOT3248A		Dry timber in solar assisted kilns

	FPIWPP3212B	Dry material
	FPIWPP3228B	Dry wood flakes
Woodchipping	FPIWPP3203B	Produce fibre from chips
Sawdoctoring	FPICOT3212B	Replace saws, blades and guides
	FPICOT3216B	Assess and maintain saw performance
	FPICOT3217B	Assess and maintain cutter performance

GROUP B ELECTIVE UNITS

Field	Unit Code	Unit Name
Machinery and Equipment	FPICOT2240	Cut material with a pole saw
	FPICOT3224B	Plan and monitor equipment maintenance
	FPICOT3233B	Sharpen and align blades and knives
	MEM18011C	Shut down and isolate machines/equipment
Administration and Business	BSBINM301A	Organise workplace information
	BSBITU306A	Design and produce business documents
Communication and Relationships	BSBFLM303C	Contribute to effective workplace relationships
Competitive Manufacturing	MSACMS200A	Apply competitive manufacturing practices
	MSACMT460A	Facilitate the use of planning software systems in manufacturing (<i>unit has MSACMT260A Use planning software systems in manufacturing as a prerequisite</i>)
Planning and Analysis	BSBFLM305C	Support operational plan
Safety and Quality Processes	TLIF1002A	Conduct housekeeping activities

FPI60111 Advanced Diploma of Forest Industry Sustainability

Modification History

The qualification packaging rules have been revised to increase flexibility of the qualification as follows:

- Three elective banks have been reduced to two: Elective Group A and Elective Group B
- The minimum number of units packaged at Advanced Diploma has changed
- Units of competency that were in Elective Group C in the previous version have been moved to either Elective Group A or B
- The number of units required under each elective group has been modified.

Description

This qualification is designed for supervisory and leadership roles in the forest and forest products industry.

Pathways Information

This qualification has various employment pathways for typical supervisor and management roles within the forest and forest products industry. These are:

- Community liaison officer
- District forester, harvesting
- Environmental manager
- Environmental planner
- Forest auditor (e.g. certification provider)
- Forest planner
- Forest technician
- General manager
- High level fire manager
- Manufacturing and engineered wood products designer and maker
- Native forest manager
- Plantation manager
- Senior forest officer
- Supervisor or sustainability manager
- Technical services staff
- Value recovery officer.

Entry may be gained through progression from a lower level FPI qualification or recognition of existing industry experience or qualifications.

This qualification provides a pathway from VET into higher education and from higher education into VET. An example of a pathway from higher education to VET would be a technical forester, holding a university qualification, gaining leadership and sustainability skills through this Advanced Diploma qualification.

This qualification may be suited to an Australian Apprenticeship pathway.

Licensing/Regulatory Information

Native FPI units may be subject to state or territory licensing, legislative, regulatory or certification requirements.

Some imported units in the elective bank may be subject to state or territory codes, regulations, licences and/or permits. These units must be implemented in line with the licensing requirements outlined in the unit's parent Training Package.

Entry Requirements

There are no entry requirements

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

The following table contains a summary of the employability skills for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on the packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Communicate production schedule for the value maximisation plan • Document recommendations based on research outcomes and provide feedback to appropriate personnel and stakeholders • Interact appropriately with stakeholders, colleagues and others
Teamwork	<ul style="list-style-type: none"> • Consult with stakeholders • Establish timelines and budget for implementation with appropriate personnel • Use consultative processes to obtain input into work in line with site requirements
Problem-solving	<ul style="list-style-type: none"> • Analyse data on enterprise resource consumption • Develop and implement appropriate response procedures • Identify and review work requirements
Initiative and enterprise	<ul style="list-style-type: none"> • Evaluate changing trends and opportunities for improved workplace sustainability and consider for ongoing improvements • Identify market demand
Planning and organising	<ul style="list-style-type: none"> • Coordinate the acquisition of required resources, including obtaining required authorisations and approvals • Develop and implement systems and procedures to assist in the achievement of sustainability in the workplace • Plan the policy design process, including organising meetings with stakeholders
Self-management	<ul style="list-style-type: none"> • Maintain appropriate work-life balance, and ensure stress is effectively managed and health is attended to • Measure and maintain personal performance in varying work conditions, contexts and contingencies • Set and meet own work priorities
Learning	<ul style="list-style-type: none"> • Assess personal knowledge and skills against competency standards to determine development needs, priorities and plans • Identify and develop new skills to achieve and maintain a

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	competitive edge <ul style="list-style-type: none"> Identify, evaluate, select and use development opportunities suitable to personal learning style/s to develop competence
Technology	<ul style="list-style-type: none"> Use software and communication systems to research, analyse, create and present documents and reports Use technology to manage work priorities and commitments

Packaging Rules

Packaging Rules

Total number of units = 14

- 3 core units *plus*
- 11 elective units, consisting of:
 - 6 units from Group A, at least 3 of which have a recommended packaging level of Advanced Diploma
 - up to 5 units from Group A and/or Group B
 - up to 3 units recommended for packaging at Diploma level or above from this or any other endorsed Training Package or state/territory accredited course.

Elective units must be relevant to work undertaken in supervisory and leadership roles in the forest and forest products industry

CORE UNITS

Field	Unit Code	Unit Name
Core	BSBWOR501B	Manage personal work priorities and professional development
	FPICOR6201A	Manage sustainability in the workplace
	FPICOR6202A	Implement practices to maximise value from wood residues

GROUP A ELECTIVE UNITS

Field	Unit Code	Unit Name	
Forest	FPICOT5201B	Implement sustainable forestry practices	
	FPICOT5202B	Manage forestry information and interpretations programs	
	FPICOT5205A	Develop biohazard contingency plans	
	FPICOT5206A	Implement Forestry Chain of Custody certification system	
	FPICOT5207A	Implement sustainability in the workplace	
	FPICOT5209A	Manage tree harvesting to minimise environmental impact	
	FPICOT6202A	Develop and manage a Forestry Chain of Custody certification process for the workplace	
	FPICOT6207A	Develop forest management systems and processes	
	FPIFGM5217A	Promote plantations as a sustainable form of land use	
	FPIFGM5218A	Undertake carbon storage sampling of forests and plantations	
Timber Products and Processes	FPICOT6203A	Develop engineered timber products to meet energy efficient building	
	Planning and Analysis	FPICOT6204A	Use carbon accounting to estimate emissions in the workplace
		FPICOT6205A	Prepare an enterprise carbon management report
	FPIFGM6201A	Plan a biochar storage system for carbon capture and storage	
	FPIFGM6202A	Manage tree inventory for sustainable tree management	
	PSPGOV521A	Collect statistical data	
	BSBPMG510A	Manage projects	

GROUP B ELECTIVE UNITS

Field	Unit Code	Unit Name
Communication and Relationships	PSPGOV602B	Establish and maintain strategic networks
	PSPMNGT604B	Manage change

Safety and Quality Processes	PSPMNGT703A	Lead and influence change
	PSPREG603A	Manage and lead inspection and monitoring programs
	BSBWRK506A	Coordinate research and analysis
Administration and Business	BSBAUD501B	Initiate a quality audit
	BSBFIM501A	Manage budgets and financial plans
	BSBINN601B	Manage organisational change
	BSBINN801A	Lead innovative thinking and practice
	BSBMGT608C	Manage innovation and continuous improvement
	BSBREL701A	Develop and cultivate collaborative partnerships and relationships
	BSBSUS501A	Develop workplace policy and procedures for sustainability
	MSACMT671A	Develop and manage sustainable environmental practices
Information Technology	PSPPOL603A	Manage policy implementation
	ICTSUS7235A	Use ICT to improve sustainability outcomes
Planning and Analysis	SIRXMGT005A	Set strategic plans