Australian Government

FPI30311 Certificate III in Sawmilling and Processing

Release: 2

ISC INDUSTRY SKILLS COUNCILS
Creating Australia's Future

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 on unsealed roads
- FPICOT3260 Recover four-wheel drive vehicles
- FPIFGM3214 Operate a four-wheel drive in a towing situation
- MEM18011C Shut down and isolate machines/equipment
- TLIF1002A Conduct housekeeping activities.

Release 1.1

Three imported units of competency updated:

- RIIMPO321B replaces RIIMPO321A - Equivalent
- TLIF1002B replaces TLIF1002A - Equivalent
- MSS402001A replaces MSACMS200A - Equivalent

Due to a typographical error, FPICOT3215 was included incorrectly in the Group B Electives under Machinery and Equipment. This unit has been removed, as per the Case for Endorsement.

Description

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

Pathways Information

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

- Benchman
- Chipper Operator
- Head Rig Operator
- Kiln Operator
- Machine Operator (e.g. Finger Jointing, Moulding, Planing)
- Production Technician
- Sawmilling Technician
- Sawyer
- Timber Grader
- Timber Products Technician
- Treatment Plant Operator

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/Territory licensing, legislative, regulatory or certification requirement.
Some imported units contained within the elective bank may be subject to State/Territory codes, regulations, licence and/or permit. These units must be implemented in line with the licensing requirements as 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	• 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	• Contribute to team outcomes • Communicate and work safely with others in the work area • Support team members in meeting expected outcomes
Problem-solving	• 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	• 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	• 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	• 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 • Integrate care for the environment into all day-to-day activities
Learning	• 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	• 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

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

	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
	FPISAW3223B	Assess wood chip

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
	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
	FPISAW3206B	Dry softwood
Sawdoctoring	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

Forestworks Learning and Skill Development

	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
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 on unsealed roads
	FPICOT3260	Recover four-wheel drive vehicles
	FPIFGM3214	Operate a four-wheel drive in a towing situation
	MEM18011C	Shut down and isolate machines/equipment
Warehousing & Distribution	FPICOT3236B	Coordinate stock control procedures
	RIIMPO321B	Conduct civil construction wheel loader operations
	TLIA3018A	Organise despatch operations
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 (unit has HLTFA301C Apply first aid as a prerequisite)
	TLID3035A	Operate a boom type elevating work platform

	TLIF1002B	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	MSS402001A	Apply competitive manufacturing practices
	MSACMT460A	Facilitate the use of planning software systems in manufacturing (unit has MSACMT260A Use planning software systems in manufacturing as a prerequisite).
Planning and Analysis	BSBFLM305C	Support operational plan