FPP20110 Certificate II in Pulping Operations

Modification History

Release 3
Elective unit HLTAID003 replaces HLTFA301C.

Release 1.2
Formatting updated, packaging rules modified - no changes to outcome.
Unit code FPPHWP270B corrected to FPPHWP270A.

24 imported units of competency updated:

- CPPSEC2011B replaces CPPSEC2011A - Equivalent
- HLTFA301C replaces HLTFA301B - Equivalent
- MSS402020A replaces MSACMT220A - Equivalent
- MSS402030A replaces MSACMT230A - Equivalent
- MSS402040A replaces MSACMT240A - Equivalent
- MSS402050A replaces MSACMT250A - Equivalent
- MSS402081A replaces MSACMT281A - Equivalent
- MSS403032A replaces MSACMT432A - Equivalent
- MSS403051A replaces MSACMT451A - Equivalent
- TAEASS301B replaces TAEASS301A - Equivalent
- TLIA2012A replaces TLIA1207C - Equivalent
- TLIA2022A replaces TLIA2207C - Equivalent
- TLIA3016A replaces TLIA1607C - Equivalent
- TLID1001A replaces TLID107C - Equivalent
- TLID1002A replaces TLID207C - Equivalent
- TLID2003A replaces TLID307E - Equivalent
- TLID2004A replaces TLID407C - Equivalent
- TLID2010A replaces TLID1007C - Equivalent
- TLID2013A replaces TLID1307C - Equivalent
- TLID2047A replaces TLID707C - Equivalent
- TLID3011A replaces TLID1107C - Equivalent
- TLID3024A replaces TLID2407C - Equivalent
- TLID3031A replaces TLID3107C - Equivalent
- TLID3035A replaces TLID3507C - Equivalent

Description

Not Applicable

Pathways Information

Not Applicable

Licensing/Regulatory Information

Not Applicable

Entry Requirements

Not Applicable

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	- Complete workplace forms - Read and interpret required documentation, procedures and reports - Use required forms of communication in applying basic quality practices
Teamwork	- Complete work in accordance with procedures and obtain appropriate sign off as required - Interpret and apply quality standards and procedures to individual and team work in accordance with sop - Work as part of a team
Problem-solving	- Identify and action problems within level of responsibility - Make adjustments to processes in order to maintain specified product quality - Recognise non-standard situations and determine an appropriate action consistent with operating guidelines
Initiative and enterprise	- Identify and report faulty equipment according to SOP - Monitor and interpret information in relation to process control points - Query or raise matters about the scope of work if it varies from that normally undertaken
Planning and organising	- Identify and schedule housekeeping requirements as appropriate - Prioritise work station's process control points for checking and maintaining quality - Prioritise the need for corrective action based on

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

	potential risk or loss or damage if the required actions are not performed
Self-management	• Plan own work, including predicting consequences and identifying improvements
	• Read relevant safety information and apply safety precautions appropriate to the task/relevant to the practical operation of the process
	• Undertake work strictly in accordance with the provisions of any permit

Employability Skill	**Industry/enterprise requirements for this qualification include**:
Learning	• Correctly identify waste materials
	• Keep informed about changes to company quality assurance policy, practices and procedures
	• Make adjustments according to sops
Technology	• Access, navigate and enter computer-based information
	• Keep plant and equipment clean and tidy
	• Record inspections, process variable values and/or test information in the reporting/recording system

Packaging Rules

Qualification Notes

Total number of units = 12

2   Core units plus

10   Elective units

At least 1 and up to 4 elective units must be selected from a single Industry Specific group (Groups A-I)

One elective unit must be selected from each of the following Support Electives groups (Group J)

- Numeracy
- OHS
- Communication
- Sustainability

Remaining electives may be selected from the Supplementary Electives (Group K) list and can include up to 2 units from an endorsed Training Package or State/Territory accredited course

Elective units must be relevant to the work outcome sought, industry requirements and the qualification level. Units selected must not duplicate each other in content

Please note that imported units from other Training Packages are for the purpose of Industry assessment only and that any licensing requirements are to be dealt with through specific Licensing units, undertaken prior to this qualification and in such a manner as to meet state and territory licensing requirements

CORE UNITS	
Unit Code	**Unit Name**
FPPQAS210A	Apply basic quality practices
MSAPMSUP101A	Clean workplace or equipment
ELECTIVE UNITS INDUSTRY SPECIFIC	
Group A: Chemical recovery operations	
(co-located in Certificate II Papermaking Operations)	
FPPREC210A	Monitor and control chemical recovery operations
Group B: Steam generation	

(co-located in Certificate II Papermaking Operations)	
FPPSTM210A	Monitor and control boiler operation
Group C: Electrical power generation	
(co-located in Certificate II Papermaking Operations)	
FPPEPG210A	Monitor and control power generation system
Group D: Stock preparations operations	
FPPSPR210A	Monitor and control stock preparation systems
Group E: Pulping operations	
FPPPUL210A	Monitor and control pulping operations
Group F: Waste paper operations	
FPPWPO210A	Monitor and control waste paper operations
Group G: Primary resource operations	
FPPRES210A	Prepare and operate the woodchip production system
FPPRES250A	Distribute woodchips
FPPRES260A	Receive materials (co-located in Supplementary Electives)
FPPRES270A	Unload materials (co-located in Supplementary Electives)
Group H: Water services	
(co-located in Supplementary Electives and Certificate II in Papermaking Operations)	

FPPWAS210A	Operate water systems
Group I: Handling and preparing waste paper for pulp production	
FPPHWP250A	Store and dispatch waste paper
FPPHWP260A	Receive waste paper
FPPHWP270A	Unload waste paper
Group J: SUPPORT ELECTIVES	
Numeracy	
FPPNUM210A	Estimate and calculate basic data
MEM12024A	Perform computations
MSS402030A	Apply cost factors to work practices
OHS	
FPPOHS210A	Participate in OHS processes
FPPOHS310A	Contribute to OHS processes
Communication	
BSBCMM101A	Apply basic communication skills
BSBCMM201A	Communicate in the workplace
Sustainability	
FPPSUS210A	Apply sustainable work practices/policies
MSACMT270A	Use sustainable energy practices
MSACMT271A	Use sustainable environmental practices
Group K: SUPPLEMENTARY ELECTIVES	
Chemical preparation	

FPPCPR210A	Prepare chemical products
Computer / process control equipment	
FPPCSK310A	Operate process control equipment
MSAPMOPS212A	Use enterprise computers or data systems
Emergency procedures / safety	
MSAPMOHS110A	Follow emergency response procedures
PMAOHS211B	Prepare equipment for emergency response
Environmental monitoring	
FPPENV210A	Identify and monitor environmental discharges/emissions
First aid	
HLTAID003	Provide first aid
MSAPMOHS220A	Provide initial first aid response
Load shifting	
FPPMHV210A	Operate overhead crane
TLID1001A	Shift materials safely using manual handling methods
TLID1002A	Shift a load using manually-operated equipment
TLID2003A	Handle dangerous goods/hazardous substances
TLID2004A	Load and unload goods/cargo
TLID2010A	Operate a forklift
TLID2013A	Move materials mechanically using automated equipment

TLID3011A	Conduct specialised forklift operations
TLID3024A	Use specialised liquid bulk transfer equipment (gravity/pressurised)
TLID3031A	Rig load
TLID3035A	Operate a boom type elevating work platform
TLID2047A	Prepare cargo for transfer with slings
Planning and organising	
FPPPLN210A	Plan and undertake a routine task
MEM14005A	Plan a complete activity
Preventative maintenance / operator maintainer	
FPPPRM210A	Undertake operator level preventative maintenance
FPPPRM220A	Perform lubrication
MEM09002B	Interpret technical drawings
MEM12023A	Perform engineering measurements
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations
MEM18055B	Dismantle, replace and assemble engineering components
MSS402081A	Contribute to the application of a proactive maintenance strategy
Water services	
FPPWAS210A	Operate water systems (co-located in Industry Specific: Group H)
Training and assessment	

TAEASS301B	Contribute to assessment
TAEDEL301A	Provide work skill instruction
Laboratory operations	
MSL904001A	Perform standard calibration
MSL973001A	Perform basic tests
Business support	
FPPREL210A	Contribute to effective working relationships
BSBWRK402A	Empower workers
BSBWRK403A	Communicate with workers
BSBWRK409A	Prepare for and participate in dispute resolution
TLIA2022A	Participate in stocktakes
Production support	
FPPPRS210A	Identify and rectify problems in the workplace
FPPPRV210A	Operate ancillary equipment
MSACMS401A	Ensure process improvements are sustained
MSS402020A	Apply quick changeover procedures
MSS402040A	Apply 5S procedures
MSS402050A	Monitor process capability
MSS403032A	Analyse manual handling processes
MSS403051A	Mistake proof an operational process
Security	

CPPSEC2011B	Control access to and exit from premises
CPPSEC2015A	Patrol premises
Ordering / distribution / storage	
FPPPUL250A	Store and distribute pulped product
FPPRES260A	Receive materials (co-located in Industry Specific: Group G)
FPPRES270A	Unload materials (co-located in Industry Specific: Group G)
MEM11016B	Order materials
TLIA2012A	Pick and process orders
TLIA3016A	Use inventory systems to organise stock control

FPP20210 Certificate II in Papermaking Operations

Modification History

Release 3
Elective unit HLTAID003 replaces HLTFA301C.

Release 1.2
Formatting updated, packaging rules modified - no changes to outcome.
Unit code FPPHWP270B corrected to FPPHWP270A.
24 imported units of competency updated:

- CPPSEC2011B replaces CPPSEC2011A - Equivalent
- HLTFA301C replaces HLTFA301B - Equivalent
- MSS402020A replaces MSACMT220A - Equivalent
- MSS402030A replaces MSACMT230A - Equivalent
- MSS402040A replaces MSACMT240A - Equivalent
- MSS402050A replaces MSACMT250A - Equivalent
- MSS402081A replaces MSACMT281A - Equivalent
- MSS403032A replaces MSACMT432A - Equivalent
- MSS403051A replaces MSACMT451A - Equivalent
- TAEASS301B replaces TAEASS301A - Equivalent
- TLIA2012A replaces TLIA1207C - Equivalent
- TLIA2022A replaces TLIA2207C - Equivalent
- TLIA3016A replaces TLIA1607C - Equivalent
- TLID1001A replaces TLID107C - Equivalent
- TLID1002A replaces TLID207C - Equivalent
- TLID2003A replaces TLID307E - Equivalent
- TLID2004A replaces TLID407C - Equivalent
- TLID2010A replaces TLID1007C - Equivalent
- TLID2013A replaces TLID1307C - Equivalent
- TLID2047A replaces TLID707C - Equivalent
- TLID3011A replaces TLID1107C - Equivalent
- TLID3024A replaces TLID2407C - Equivalent
- TLID3031A replaces TLID3107C - Equivalent
- TLID3035A replaces TLID3507C - Equivalent

Description

Not Applicable

Pathways Information

Not Applicable

Licensing/Regulatory Information

Not Applicable

Entry Requirements

Not Applicable

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	• Complete workplace forms • Read and interpret required documentation, procedures and reports • Use required forms of communication in applying basic quality practices
Teamwork	• Complete work in accordance with procedures and obtain appropriate sign off as required • Interpret and apply quality standards and procedures to individual and team work in accordance with sop • Work as part of a team
Problem-solving	• Identify and action problems within level of responsibility • Make adjustments to processes in order to maintain specified product quality • Recognise non-standard situations and then determine an appropriate action which is consistent with operating guidelines
Initiative and enterprise	• Identify and report faulty equipment according to SOP • Monitor and interpret information in relation to process control points • Query or raise matters about the scope of work if it varies from that normally undertaken
Planning and organising	• Identify and schedule housekeeping requirements as appropriate • Prioritise work station's process control points for checking and maintaining quality • Prioritise the need for corrective action based on

	potential risk or loss or damage if the required actions are not performed
Self-management	• Plan own work, including predicting consequences and identifying improvements
	• Read relevant safety information and apply safety precautions appropriate to the task/relevant to the practical operation of the process
	• Undertake work strictly in accordance with the provisions of any permit

Employability Skill	**Industry/enterprise requirements for this qualification include**:
Learning	• Correctly identify waste materials
	• Keep informed about changes to company quality assurance policy, practices and procedures
	• Make adjustments according to sop
Technology	• Access, navigate and enter computer-based information
	• Keep plant and equipment clean and tidy
	• Record inspections, process variable values and/or test information in the reporting/recording system

Packaging Rules

Qualification Notes

Total number of units = 12
2   Core units *plus*
10   Elective units
At least 1 and up to 4 elective units must be selected from a single Industry Specific group (Groups A-I)

One elective unit must be selected from *each* of the following Support Electives groups (Group J)

- Numeracy
- OHS
- Communication
- Sustainability

Remaining electives may be selected from the Supplementary Electives (Group K) list and may include up to 2 units from an endorsed Training Package or State/Territory accredited course
Elective units must be relevant to the work outcome sought, industry requirements and the qualification level. Units selected must not duplicate each other in content
Please note that imported units from other Training Packages are for the purpose of Industry assessment only and that any licensing requirements are to be dealt with through specific Licensing units, undertaken prior to this qualification and in such a manner as to meet state and territory licensing requirements

CORE UNITS	
Unit Code	**Unit Name**
FPPQAS210A	Apply basic quality practices
MSAPMSUP101A	Clean workplace or equipment
ELECTIVE UNITS INDUSTRY SPECIFIC	
Group A: Chemical recovery operations	
(co-located in Certificate II Pulping Operations)	
FPPREC210A	Monitor and control chemical recovery operations
Group B: Steam generation	
(co-located in Certificate II Pulping Operations)	
FPPSTM210A	Monitor and control boiler operation
Group C: Electrical power generation	
(co-located in Certificate II Pulping Operations)	

FPPEPG210A	Monitor and control power generation system
Group D: Wet end operations	
FPPWEO210A	Monitor and control wet end operations
Group E: Dry end operations	
FPPDEO210A	Monitor and control dry end operations
Group F: Coated paper processes	
FPPCPP210A	Monitor and control coated paper processes
Group G: Finishing and converting	
FPPFCO210A	Monitor, control and shut down finishing and converting operations
Group H: Water services	
(co-located in Supplementary Electives and Certificate II Pulping Operations)	
FPPWAS210A	Operate water systems
Group I: Warehousing and dispatch	
FPPWAR250A	Store product
FPPWAR255A	Prepare and dispatch product
FPPWAR280A	Warehouse product packaging
Group J: SUPPORT ELECTIVES	
Numeracy	
FPPNUM210A	Estimate and calculate basic data
MEM12024A	Perform computations
MSS402030A	Apply cost factors to work practices
OHS	

FPPOHS210A	Participate in OHS processes
FPPOHS310A	Contribute to OHS processes
Communication	
BSBCMM101A	Apply basic communication skills
BSBCMM201A	Communicate in the workplace
Sustainability	
FPPSUS210A	Apply sustainable work practices/policies
MSACMT270A	Use sustainable energy practices
MSACMT271A	Use sustainable environmental practices
Group K: SUPPLEMENTARY ELECTIVES	
Chemical preparation	
FPPCPR210A	Prepare chemical products
Computer / process control equipment	
FPPCSK310A	Operate process control equipment
MSAPMOPS212A	Use enterprise computers or data systems
Emergency procedures / safety	
MSAPMOHS110A	Follow emergency response procedures
PMAOHS211B	Prepare equipment for emergency response
Environmental monitoring	
FPPENV210A	Identify and monitor environmental discharges/emissions
First aid	
HLTAID003	Provide first aid

MSAPMOHS220A	Provide initial first aid response
Load shifting	
FPPMHV210A	Operate overhead crane
TLID1001A	Shift materials safely using manual handling methods
TLID1002A	Shift a load using manually-operated equipment
TLID2003A	Handle dangerous goods/hazardous substances
TLID2004A	Load and unload goods/cargo
TLID2010A	Operate a forklift
TLID2013A	Move materials mechanically using automated equipment
TLID3011A	Conduct specialised forklift operations
TLID3024A	Use specialised liquid bulk transfer equipment (gravity/pressurised)
TLID3031A	Rig load
TLID3035A	Operate a boom type elevating work platform
TLID2047A	Prepare cargo for transfer with slings
Planning and organising	
FPPPLN210A	Plan and undertake a routine task
MEM14005A	Plan a complete activity
Preventative maintenance / operator maintainer	
FPPPRM210A	Undertake operator level preventative maintenance
FPPPRM220A	Perform lubrication

MEM09002B	Interpret technical drawings
MEM12023A	Perform engineering measurements
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations
MEM18055B	Dismantle, replace and assemble engineering components
MSS402081A	Contribute to the application of a proactive maintenance strategy
Water services	
FPPWAS210A	Operate water systems (co-located in Industry Specific: Group H)
Primary resource operations	
FPPRES260A	Receive materials
FPPRES270A	Unload materials
Training and assessment	
TAEASS301B	Contribute to assessment
TAEDEL301A	Provide work skill instruction
Laboratory operations	
MSL904001A	Perform standard calibration
MSL973001A	Perform basic tests
Business support	
FPPREL210A	Contribute to effective working relationships
BSBWRK402A	Empower workers
BSBWRK403A	Communicate with workers

BSBWRK409A	Prepare for and participate in dispute resolution
TLIA2022A	Participate in stocktakes
Production support	
FPPPRS210A	Identify and rectify problems in the workplace
FPPPRV210A	Operate ancillary equipment
MSACMS401A	Ensure process improvements are sustained
MSS402020A	Apply quick changeover procedures
MSS402040A	Apply 5S procedures
MSS402050A	Monitor process capability
MSS403032A	Analyse manual handling processes
MSS403051A	Mistake proof an operational process
Security	
CPPSEC2011B	Control access to and exit from premises
CPPSEC2015A	Patrol premises
Ordering / distribution / storage	
FPPPUL250A	Store and distribute pulped product
MEM11016B	Order materials
TLIA2012A	Pick and process orders
TLIA3016A	Use inventory systems to organise stock control

LMT11107 Certificate I in Textiles Clothing and Footwear

Modification History

Not applicable.

Description

Job roles/employment outcomes
The Certificate I in TCF is an introductory qualification to the Textiles, Clothing and Footwear industries and an entry to later study of Textiles, Clothing and Footwear qualifications.

Application
The qualification is designed for application in a highly supervised context such as VET in schools or other equivalent introduction or induction to industry environments.

Pathways into the qualification
Units LMTCL1001B Produce a simple garment, LMTTX1001B Produce a simple textile fabric or product, LMTML1001B Make a simple headpiece and LMTFP1001B Embellish footwear are designed to target a VET in schools environment only and cannot be credited towards higher-level qualifications.

Pathways from the qualification
Further training pathways from this qualification include a range of Certificate II specialisations within the Textiles, Clothing and Footwear Training Package.

Licensing considerations
There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements in some environments. Local regulations should be checked for details.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

Employability Skills Summary - Certificate I in Textiles Clothing and Footwear

The following table contains a summary of the Employability Skills as identified by the Textiles Clothing and Footwear industries 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 reflect skill requirements for this level.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	• discuss design and production requirements with a supervisor • use production information such as patterns or specifications to guide work • follow work instructions • ask questions and listen to gain information about processes to be used
Teamwork	• work cooperatively with others • use skills of others to assist work activity • observe demonstrations of others
Problem-solving	• identify problems with production activities • report hazards • determine requirements in own work to meet quality standards • seek skills and knowledge of supervisors to solve problems • identify and report potential environmental hazards
Initiative and enterprise	• identify and recommend improvements to own work processes • seek skill development support • monitor and adjust activity in response to progress and outcomes
Planning and organising	• recognise hazards and follow appropriate hazard control measures • follow production sequences for a given process or product

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• identify production and resource requirements • coordinate activity to meet timetables • identify and use relevant personal protective equipment • identify and monitor resource use in own work
Self-management	• keep the work area clean and tidy at all times • monitor own work to ensure quality standards are achieved • understand own work activities and ask questions if required • apply safety procedures, including the use of protective equipment • follow operation instructions for machines and equipment • conduct work in a manner which minimises waste
Learning	• ask questions to expand own understanding of work processes or requirements • demonstrate listening skills • identify own skill requirements and seek skill development • access operator manuals to assist own learning
Technology	• operate machinery, tools and equipment safely and according to operating standards

Packaging Rules

Packaging Rules

To be awarded the Certificate I in Textiles Clothing and Footwear, competency must be achieved in seven (7) units of competency.

- Four (4) core units of competency
- Three (3) elective units of competency as specified below.
-

CORE UNITS

Complete all four (4) units from this list

Unit code	Unit title
LMTGN2001B	Follow defined OH&S policies and procedures
LMTGN2002B	Apply quality standards
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry
MSAENV272B	Participate in environmentally sustainable work practices

ELECTIVE UNITS

Select three (3) units as specified below.

- A minimum of two (2) units must be selected from Group A
- A maximum of one (1) unit may be selected from Group B.

GROUP A

Unit code	Unit title	Prerequisites
LMTCL1001B	Produce a simple garment	
LMTCL2001B	Use a sewing machine	
LMTCL2003B	Identify fibres and fabrics	
LMTFP1001B	Embellish footwear	
LMTFP2001B	Identify materials used in footwear production	
LMTGN2004B	Work in a team environment	
LMTGN2010B	Perform tasks to support production	
LMTLG2006A	Identify materials used in leather goods production	
LMTML1001A	Make a simple headpiece	

Unit code	Unit title	Prerequisites
LMTML2001A	Identify materials used in millinery	
LMTTX1001B	Produce a simple textile fabric or product	
LMTTX2001B	Identify fibres, yarns and textile materials and their uses in textile production	

GROUP B

Other TCF Training Package units that are available at Certificates I and II
Units from other endorsed Training Packages and accredited courses that are available at Certificates I and II

LMT20107 Certificate II in Textile Production (Intermediate)

Modification History

Release 2 - imported units updated to current versions, outcomes equivalent.

Description

Job roles/employment outcomes
Certificate II in Textile Production (Intermediate) reflects vocational outcomes for those performing a limited range of technical and operational tasks within a textile production environment.

Application
This qualification is typically used to develop skill and knowledge in the operations of textile production enterprises. Work is generally supervised.

Pathways Information

Pathways into the qualification
Direct entry into this qualification requires completion of a total of ten (10) units of competency according to the rules described below.
Units that have been achieved through completion of the LMT11107 Certificate I in Textiles Clothing and Footwear may be credited towards the Certificate II when they are also included in the unit lists for this qualification.

Pathways from the qualification
Further training pathways from this qualification include LMT20207 Certificate II in Textile Production (Complex or Multiple Processes), LMT30107 Certificate III in Textile Production, LMT31909 Certificate III in Engineering - TCF Mechanic or other relevant manufacturing qualifications.

Licensing/Regulatory Information

Licensing considerations
There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements in some environments. Local regulations should be checked for details.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skills Summary - Certificate II in Textile Production (**Intermediate**) The following table contains a summary of the Employability Skills as identified by the Textile Production industries 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 reflect skill requirements for this level.	
Employability Skill	**Industry**/**enterprise requirements for this qualification include**:
Communication	- complete written documentation and job tickets - use communication technologies efficiently - demonstrate effective and appropriate communication and interpersonal skills - interpret and apply workplace procedures and instructions - share workplace information - communicate information about problems with textile production work - read and understand job specifications - communicate information relating to ohs
Teamwork	- work independently and as part of a team - provide support to others in the work area - identify performance required to meet customer needs in own work and/or team - identify own role and responsibility within a team
Problem-solving	- identify and report any workplace hazards - identify textile production problems and make contributions to their solution - apply knowledge of materials, product purpose and processes to operations - check machine performance and identify signs of faulty operations - use material and process knowledge to solve problems - monitor workplace activities and identify and report faults or problems

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• recognise hazards and follow appropriate hazard control measures • identify and report potential environmental hazards
Initiative and enterprise	• provide feedback on procedures and processes • gather and interpret information • ask questions regarding requirements and expectations • make suggestions for continuous improvement • inspect quality of production on an ongoing basis • record basic information on the quality and other indicators of production performance
Planning and organising	• plan work activities • monitor production and work load priorities • select appropriate tools • identify requirements for materials, quality and production • identify and monitor resource use in own work • direct items to the correct area for further processing • identify and use relevant personal protective equipment • organise work area to maintain housekeeping standards
Self-management	• plan to meet own work requirements • keep the work area clean and tidy at all times • conduct regular housekeeping activities • interpret data and information as required by own job • monitor own work • conduct work in a manner which minimises waste • understand own work activities • identify personal responsibilities • conduct work in a manner which minimises waste • accept responsibility for quality of own work • follow OHS practices during the production and manufacturing of textile production products
Learning	• assess own competencies in meeting job requirements • listen to feedback and advice of supervisors • identify own skill requirements and seek skill

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	development if required
	• attend training or skill development activities
	• ask questions to expand own knowledge
Technology	• use appropriate tools, machines and equipment safely and effectively
	• use machinery to meet productivity requirements
	• perform minor maintenance on machinery in accordance with workplace practice
	• use manual handling technologies in the workplace
	• set up and adjust tools and equipment

Packaging Rules

To be awarded the Certificate II in Textile Production (Intermediate) competency must be achieved in eleven (11) units of competency.

- Four (4) core units of competency
- Seven (7) elective units of competency as specified below.

Note: Where prerequisite units apply, these have been noted, and must be considered in the total number of units.

CORE UNITS
Complete all four (4) units from this list.

Unit code	Unit title
LMTGN2001B	Follow defined OH&S policies and procedures
LMTGN2002B	Apply quality standards
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry
MSAENV272B	Participate in environmentally sustainable work practices

ELECTIVE UNITS
Select seven (7) units as specified below.

- A minimum of three (3) units must be selected from Group A
- A minimum of two (2) units must be selected from Group A or B

- A maximum of two (2) may be selected from Group C
- The remainder must be selected from Groups A and B.

GROUP A

Unit code	Unit title	Prerequisites
LMTTX2001B	Identify fibres, yarns and textile materials and their uses in textile production	
LMTTX2002B	Prepare yarn for textile manufacturing	
LMTTX2003B	Perform spinning operations	
LMTTX2004B	Perform tufting operations	
LMTTX2005B	Perform creeling operations	
LMTTX2006B	Operate a weaving loom	
LMTTX2007B	Perform knitting operations	
LMTTX2008B	Apply finishing processes to textile production	
LMTTX2009B	Weigh and check textile materials and products	
LMTTX2010B	Load and operate dyeing equipment	
LMTTX2011B	Repair textile product	
LMTTX2012B	Perform industrial sewing on textile products	
LMTTX2013B	Conduct packaging or folding for textile production	

Unit code	Unit title	Prerequisites
LMTTX2014B	Use specialised machinery to assist textile production	
LMTTX2015B	Handle and prepare chemicals, dyes or other substances used in textile production	
LMTTX2016B	Perform knotting for weaving operations	
LMTTX2017B	Access and use information resources for textile production operations	
LMTTX2018B	Restart machine after stoppage	
LMTTX2019B	Undertake carding operations	

GROUP B

Unit code	Unit title	Prerequisites
LMTGN2004B	Work in a team environment	
LMTGN2005B	Perform minor maintenance	
LMTGN2006B	Perform test or inspection to check product quality	
LMTGN2007B	Select, transfer and remove materials and products	

Unit code	Unit title	Prerequisites
LMTGN2008B	Coordinate work of team or section	
LMTGN2009B	Operate computing technology in a Textiles, Clothing and Footwear workplace	
LMTGN2010B	Perform tasks to support production	
MEM11010B	Operate mobile load shifting equipment	
MSACMC210A	Manage the impact of change on own work	
MSS402001A	Apply competitive manufacturing practices	
MSS402002A	Sustain process improvements	
MSS402020A	Apply quick changeover procedures	
MSS402021A	Apply Just in Time procedures	
MSS402030A	Apply cost factors to work practices	
MSS402031A	Interpret product costs in terms of customer requirements	

Unit code	Unit title	Prerequisites
MSS402040A	Apply 5S procedures	
MSS402050A	Monitor process capability	
MSS402060A	Use planning software systems in operations	
MSS402061A	Use SCADA systems in operations	
MSACMT270A	Use sustainable energy practices	
MSS402080A	Undertake root cause analysis	
MSS402081A	Contribute to the application of a proactive maintenance strategy	

GROUP C

Other Textile Production units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Other TCF Training Package units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Units from other endorsed Training Packages and accredited courses that are available at Certificates I (maximum 1 unit), II (maximum 2 units) and III (maximum 1 unit)

LMT20207 Certificate II in Textile Production (Complex or Multiple Processes)

Modification History

Release 2 - imported units updated to current versions, outcomes equivalent.

Description

Job roles/employment outcomes
Certificate II in Textile Production (Complex or Multiple Processes) reflects vocational outcomes for those performing a limited range of technical and operational tasks within a textile production or early stage wool processing environment. Some multi-skilled roles can be accommodated in this qualification.

Application
This qualification is typically used to develop skill and knowledge in the operations of textile production or early stage wool processing enterprises. Work is generally supervised.

Pathways Information

Pathways into the qualification
Direct entry into this qualification requires completion of a total of twelve (12) units according to the rules described below.
Units that have been achieved through completion of the LMT11107 Certificate I in Textiles Clothing and Footwear may be credited towards the Certificate II when they are also included in the unit lists for this qualification.

Pathways from the qualification
Further training pathways from this qualification include LMT30107 Certificate III in Textile Production, LMT31909 Certificate III in Engineering - TCF Mechanic or other relevant manufacturing qualifications.

Licensing/Regulatory Information

Licensing considerations
There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements in some environments. Local regulations should be checked for details.

Entry Requirements

Not applicable.

Employability Skills Summary

Employability Skills Summary - **Certificate II in Textile Production** (**Complex or Multiple Processes**)	
The following table contains a summary of the Employability Skills as identified by the Textile Production industries 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 reflect skill requirements for this level.	

Employability Skill	**Industry/enterprise requirements for this qualification include**:
Communication	• complete written documentation and job tickets • use communication technologies efficiently • demonstrate effective and appropriate communication and interpersonal skills • interpret and apply workplace procedures and instructions • share workplace information • communicate information about problems with textile production work • read and understand job specifications • communicate information relating to OHS
Teamwork	• work independently and as part of a team • provide support to others in the work area • identify performance required to meet customer needs in own work and/or team • identify own role and responsibility within a team
Problem-solving	• identify and report any workplace hazards • identify textile production problems and make contributions to their solution • apply knowledge of materials, product purpose and processes to operations • check machine performance and identify signs of faulty operations • use material and process knowledge to solve problems • monitor workplace activities and identify and report faults or problems • recognise hazards and follow appropriate hazard

| | control measures |
	• identify and report potential environmental hazards
Initiative and enterprise	• provide feedback on procedures and processes
	• gather and interpret information
	• ask questions regarding requirements and expectations
	• make suggestions for continuous improvement
	• inspect quality of production on an ongoing basis
	• record basic information on the quality and other indicators of production performance
Planning and organising	• plan work activities
	• monitor production and work load priorities
	• select appropriate tools
	• identify requirements for materials, quality and production
	• identify and monitor resource use in own work
	• direct items to the correct area for further processing
	• identify and use relevant personal protective equipment
	• organise work area to maintain housekeeping standards
Self-management	• plan to meet own work requirements
	• keep the work area clean and tidy at all times
	• conduct regular housekeeping activities
	• interpret data and information as required by own job
	• monitor own work
	• understand own work activities
	• identify personal responsibilities
	• accept responsibility for quality of own work
	• conduct work in a manner which minimises waste
	• follow OHS practices during the production and manufacturing of textile production products
Learning	• assess own competencies in meeting job requirements
	• listen to feedback and advice of supervisors
	• identify own skill requirements and seek skill development if required
	• attend training or skill development activities
	• ask questions to expand own knowledge

Technology	• use appropriate tools, machines and equipment safely and effectively
	• use machinery to meet productivity requirements
	• perform minor maintenance on machinery in accordance with workplace practice
	• use manual handling technologies in the workplace
	• set up and adjust tools and equipment

Packaging Rules

To be awarded the Certificate II in Textile Production (Complex or Multiple Processes) competency must be achieved in thirteen (13) units of competency.

- Four (4) core units of competency
- Nine (9) elective units of competency as specified below.

If Certificate II in Textile Production (Intermediate) has been achieved, an additional two (2) units are required to complete this qualification. Units that have been credited towards lower level qualifications must not be selected in the additional two (2) unit requirement. A minimum of one (1) of these two (2) units must be selected from Group A elective units. Note: Where prerequisite units apply, these have been noted, and must be considered in the total number of units.

CORE UNITS
Complete all four (4) units from this list.

Unit code	Unit title
LMTGN2001B	Follow defined OH&S policies and procedures
LMTGN2002B	Apply quality standards
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry
MSAENV272B	Participate in environmentally sustainable work practices

ELECTIVE UNITS
Select nine (9) units as specified below.

- A minimum of two (2) units must be selected from Group A When this qualification is applied for a textile production context, the two (2) units must be selected from Group A units coded TX When this qualification is applied for an early stage wool context, the two (2) units must be selected from Group A units coded EW
- A maximum of one (1) unit may be selected from Group C
- A maximum of two (2) units may be selected from Group D
- The remainder must be selected from Groups A and B.

GROUP A

Unit code	Unit title	Prerequisites
LMTEW2001A	Blend and open greasy wool	
LMTEW2002A	Press and dump wool	
LMTEW2004A	Perform wool combing	
LMTEW2005A	Perform wool preparation using gilling machinery	
LMTEW2006A	Perform wool finishing	
LMTEW2007A	Perform wool pressing operations	
LMTEW2008A	Perform wool backwash process	
LMTEW2009A	Perform wool scouring	
LMTEW2010A	Perform wool carbonising	
LMTEW2011A	Perform wool superwash	
LMTEW2012A	Perform tests to	

	check wool quality	
LMTEW2013A	Perform wool grease recovery and monitor waste disposal	
LMTEW2014A	Perform machine setting and operational maintenance	
LMTEW2015A	Perform wool store operations	
LMTTX2001B	Identify fibres, yarns and textile materials and their uses in textile production	
LMTTX2002B	Prepare yarn for textile manufacturing	
LMTTX2003B	Perform spinning operations	
LMTTX2004B	Perform tufting operations	
LMTTX2005B	Perform creeling operations	
LMTTX2006B	Operate a weaving loom	
LMTTX2007B	Perform knitting operations	
LMTTX2008B	Apply finishing processes to textile production	
LMTTX2009B	Weigh and check	

	textile materials and products	
LMTTX2010B	Load and operate dyeing equipment	
LMTTX2011B	Repair textile product	
LMTTX2012B	Perform industrial sewing on textile products	
LMTTX2013B	Conduct packaging or folding for textile production	
LMTTX2014B	Use specialised machinery to assist textile production	
LMTTX2015B	Handle and prepare chemicals, dyes or other substances used in textile production	
LMTTX2016B	Perform knotting for weaving operations	
LMTTX2017B	Access and use information resources for textile production operations	
LMTTX2018B	Restart machine after stoppage	
LMTTX2019B	Undertake carding operations	

GROUP B

Unit code	Unit title	Prerequisites
LMTGN2004B	Work in a team environment	
LMTGN2005B	Perform minor maintenance	
LMTGN2006B	Perform test or inspection to check product quality	
LMTGN2007B	Select, transfer and remove materials and products	
LMTGN2008B	Coordinate work of team or section	
LMTGN2009B	Operate computing technology in a Textiles, Clothing and Footwear workplace	
LMTGN2010B	Perform tasks to support production	
MEM11010B	Operate mobile load shifting equipment	

GROUP C

Unit code	Unit title	Prerequisites
MSS402010A	Manage the impact of change on own work	
MSS402001A	Apply competitive systems and practices	

MSS402002A	Sustain process improvements	
MSS402020A	Apply quick changeover procedures	
MSS402021A	Apply Just in Time procedures	
MSS402030A	Apply cost factors to work practices	
MSS402031A	Interpret product costs in terms of customer requirements	
MSS402040A	Apply 5S procedures	
MSS402050A	Monitor process capability	
MSS402060A	Use planning software systems in operations	
MSS402061A	Use SCADA systems in operations	
MSACMT270A	Use sustainable energy practices	
MSS402080A	Undertake root cause analysis	
MSS402081A	Contribute to the application of a proactive maintenance strategy	

GROUP D

Other Textile Production units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Other TCF Training Package units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Units from other endorsed Training Packages and accredited courses that are available at Certificates I (maximum 1 unit), II (maximum 2 units) and III (maximum 1 unit)

LMT20407 Certificate II in Cotton Ginning

Modification History

Release 2 - imported units updated to current versions, outcomes equivalent.

Description

Job roles/employment outcomes
Certificate II in Cotton Ginning reflects vocational outcomes for those performing a limited range of technical and operational tasks within a cotton ginning environment. Some multi-skilled roles can be accommodated in this qualification.

Application
This qualification is typically used to develop skill and knowledge in the operations of cotton ginning enterprises. Work is generally supervised.

Pathways Information

Pathways into the qualification
Direct entry into this qualification requires completion of a total of thirteen (13) units of competency according to the rules described below.
Units that have been achieved through completion of the LMT11107 Certificate I in Textiles Clothing and Footwear may be credited towards the Certificate II when they are also included in the unit lists for this qualification.

Pathways from the qualification
Further training pathways from this qualification include LMT30307 Certificate III in Cotton Ginning or other relevant manufacturing qualifications.

Licensing/Regulatory Information

There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements in some environments. Local regulations should be checked for details.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skills Summary - **Certificate II in Cotton Ginning** The following table contains a summary of the Employability Skills as identified by the Cotton Ginning industries 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 reflect skill requirements for this level.	
Employability Skill	**Industry/enterprise requirements for this qualification include**:
Communication	• communicate with others on ginning operations • interpret specifications and standard operating procedures for cotton ginning machinery • complete standard documentation and maintenance information • use communication technologies efficiently • communicate problems with cotton or machinery • demonstrate effective and appropriate communication skills with colleagues • follow work instructions • read and apply relevant safety information and procedures • interpret workplace procedures and work instructions
Teamwork	• provide support to others in the work area • work on a variety of machines to support team flow of ginning operations • work as part of a team • undertake appropriate and effective communication with team members and supervisors • identify team performance required to meet production outcomes
Problem-solving	• identify risks associated with cotton ginning machinery and equipment • report hazards • determine requirements to meet quality standards • recognise and act upon problems and faults with ginning materials, machinery or processes

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• use personal protective equipment as required • identify and report potential environmental hazards
Initiative and enterprise	• identify and recommend improvements to own work processes • contribute to meetings • record information on the quality and other indicators of production performance • report problems outside area of responsibility • monitor and adjust activity in response to operational variations
Planning and organising	• plan work requirements • follow schedules and monitor operations • recognise hazards and follow appropriate hazard control measures • follow washing sequences for a given process or product • identify production and resource requirements • identify and monitor resource use in own work • coordinate activity to meet delivery or collection timetables • identify and use relevant personal protective equipment
Self-management	• keep the work area clean and tidy at all times • conduct regular housekeeping activities • interpret data and information relevant to own ginning operations • monitor own work to ensure quality standards are achieved • conduct work in a manner which minimises waste • understand own work activities and ask questions if required • apply safety procedures, including the use of protective equipment • identify and follow production schedules and work load priorities • follow ginning machine operator instructions

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Learning	• ask questions to expand own understanding of work processes or requirements • demonstrate listening skills • identify own skill requirements and seek skill development if required • access operator manuals to assist own learning
Technology	• use manual handling technologies in the workplace • operate ginning machinery • work with technology safely and according to workplace standards • handle and use chemicals correctly and safely • maintain machinery in accordance with organisational procedures

Packaging Rules

To be awarded the Certificate II in Cotton Ginning, competency must be achieved in thirteen (13) units of competency.

• Five (5) core units of competency
• Eight (8) elective units of competency as specified below.

Note: Where prerequisite units apply, these have been noted, and must be considered in the total number of units.

CORE UNITS
Complete all five (5) units from this list

Unit code	Unit title
LMTGN2001B	Follow defined OH&S policies and procedures
LMTGN2002B	Apply quality standards
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry
LMTGN2010B	Perform tasks to support production
MSAENV272B	Participate in environmentally sustainable work practices

ELECTIVE UNITS

Select eight (8) units as specified below.

- A minimum of two (2) units must be selected from Group A
- A maximum of one (1) unit may be selected from Group C
- A maximum of two (2) units may be selected from Group D
- The remainder must be selected from Groups A and B.

GROUP A

Unit code	Unit title	Prerequisites
LMTCG2001A	Identify cotton characteristics	
LMTCG2002A	Gin cotton	
LMTCG2003A	Control bale or mote press operations	

GROUP B

Unit code	Unit title	Prerequisites
LMTCG3001A	Identify factors that impact on cotton quality	LMTCG2001A
LMTGN2004B	Work in a team environment	
LMTGN2008B	Coordinate work of team or section	
LMTGN2009B	Operate computing technology in a Textiles, Clothing and Footwear workplace	
MEM05004C	Perform routine oxy acetylene welding	
MEM05007C	Perform manual heating and thermal	

Unit code	Unit title	Prerequisites
	cutting	
MEM05012C	Perform routine manual metal arc welding	
MEM05050B	Perform routine gas metal arc welding	
MEM07001B	Perform operational maintenance of machines/equipment	MEM18001C
MEM11010B	Operate mobile load shifting equipment	
MEM13001B	Perform emergency first aid	
MEM18001C	Use hand tools	
MEM18002B	Use power tools/hand held operations	

GROUP C

Unit code	Unit title	Prerequisites
MSS402010A	Manage the impact of change on own work	
MSS402001A	Apply competitive systems and practices	
MSS402002A	Sustain process improvements	
MSS402020A	Apply quick changeover	

Unit code	Unit title	Prerequisites
	procedures	
MSS402021A	Apply Just in Time procedures	
MSS402030A	Apply cost factors to work practices	
MSS402031A	Interpret product costs in terms of customer requirements	
MSS402040A	Apply 5S procedures	
MSS402050A	Monitor process capability	
MSS402060A	Use planning software systems in operations	
MSS402061A	Use SCADA systems in operations	
MSACMT270A	Use sustainable energy practices	
MSS402080A	Undertake root cause analysis	
MSS402081A	Contribute to the application of a proactive maintenance strategy	

GROUP D

Other Cotton Ginning units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)
Other TCF Training Package units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)
Units from other endorsed Training Packages and accredited courses that are available at Certificates I (maximum 1 unit), II (maximum 2 units) and III (maximum 1 unit)

LMT20507 Certificate II in Textile Fabrication

Modification History

Release 2 - imported units updated to current versions, outcomes equivalent.
Reinstated text from Group D electives in packaging rules.

Description

Job roles/employment outcomes
The Certificate II reflects vocational outcomes for those performing a limited range of technical and operational tasks within a production environment. Some multi-skilled roles can be accommodated in this qualification.
Application
This qualification is typically used to develop skill and knowledge in the operations of textile fabrication enterprises. Work is generally supervised.

Pathways Information

Pathways into the qualification
Direct entry into this qualification requires completion of a total of thirteen (13) units of competency according to the rules described below.
Units that have been achieved through completion of the LMT11107 Certificate I in Textiles Clothing and Footwear may be credited towards the Certificate II when they are also included in the unit lists for this qualification.

Pathways from the qualification
Further training pathways from this qualification include LMT30407 Certificate III in Textile Fabrication or other relevant manufacturing qualifications.

Licensing/Regulatory Information

There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements in some environments. Local regulations should be checked for details.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skills Summary - **Certificate II in Textile Fabrication** The following table contains a summary of the Employability Skills as identified by the Textile Fabrication industries 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 reflect skill requirements for this level.	
Employability Skill	**Industry/enterprise requirements for this qualification include:**
Communication	• complete written documentation and job tickets • use communication technologies efficiently • demonstrate effective and appropriate communication and interpersonal skills • interpret and apply workplace procedures and instructions • share workplace information • communicate information about problems with textile fabrication work • read and understand job specifications • communicate information relating to ohs
Teamwork	• work independently or as part of a team • provide support to others in the work area • identify performance required to meet customer needs in own work and/or team • identify own role and responsibility within a team
Problem-solving	• identify and report any workplace hazards • identify textile fabrication production problems and make contributions to their solution • apply knowledge of materials, product purpose and processes to operations • check machine performance and identify signs of faulty operations • use material and process knowledge to solve problems • monitor workplace activities and identify and report faults or problems

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

	• recognise hazards and follow appropriate hazard control measures • identify and report potential environmental hazards
Initiative and enterprise	• provide feedback on procedures and processes • gather and interpret information • ask questions regarding requirements and expectations • make suggestions for continuous improvement • inspect quality of production on an ongoing basis • record basic information on the quality and other indicators of production performance
Planning and organising	• plan work activities • monitor production and work load priorities • select appropriate tools • identify requirements for materials, quality and production • identify and monitor resource use in own work • direct articles to the correct area for further processing • identify and use relevant personal protective equipment • organise work area to maintain housekeeping standards
Self-management	• plan to meet own work requirements • keep the work area clean and tidy at all times • conduct regular housekeeping activities • interpret data and information as required by own job • monitor own work • understand own work activities • identify personal responsibilities • accept responsibility for quality of own work • conduct work in a manner which minimises waste • follow OHS practices during the production and manufacturing of textile fabrication products
Learning	• assess own competencies in meeting job requirements • listen to feedback and advice of supervisors • identify own skill requirements and seek skill development if required

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• attend training or skill development activities • ask questions to expand own knowledge
Technology	• use appropriate tools, machines and equipment safely and effectively • use machinery to meet productivity requirements • perform minor maintenance on machinery in accordance with workplace practice • use manual handling technologies in the workplace • set up and adjust tools and equipment

Packaging Rules

To be awarded the Certificate II in Textile Fabrication, competency must be achieved in thirteen (13) units of competency.

• Seven (7) core units of competency
• Six (6) elective units of competency as specified below.

Note: Where prerequisite units apply, these have been noted, and must be considered in the total number of units.

CORE UNITS
Complete all seven (7) units from this list

Unit code	Unit title
LMTGN2001B	Follow defined OH&S policies and procedures
LMTGN2002B	Apply quality standards
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry
LMTTF2005A	Translate information into measurements or diagrams
LMTTF2009A	Identify and select canvas and sail materials
LMTTF2018A	Use canvas and sail production tools
MSAENV272B	Participate in environmentally sustainable work practices

ELECTIVE UNITS

Select six (6) units as specified below.

- A minimum of two (2) units must be selected from Group A
- A maximum of one (1) may be selected from Group C
- A maximum of two (2) units may be selected from Group D
- The remainder must be selected from Groups A and B.

GROUP A

Unit code	Unit title	Prerequisites
LMTCL2001B	Use a sewing machine	
LMTLG2006A	Identify materials used in leather goods production	
LMTTF2001A	Despatch products	
LMTTF2003A	Package and handle products for despatch	
LMTTF2004A	Add reinforcements and attachments	
LMTTF2006A	Measure and scale geometric shapes	LMTTF2005A
LMTTF2007A	Produce patterns for 2D products	
LMTTF2008A	Use adhesives	
LMTTF2010A	Lay out and mark out canvas or sail materials	
LMTTF2011A	Cut and shape canvas or sail materials	
LMTTF2012A	Stitch by hand	
LMTTF2013A	Waterproof canvas product	
LMTTF2014A	Weld plastic materials	

Unit code	Unit title	Prerequisites
LMTTF2016A	Install products on and off-site	
LMTTF2017A	Cut, bend and shape metal	
LMTTF2019A	Inspect canvas or sail product	
LMTTX2012B	Perform industrial sewing on textile products	

GROUP B

Unit code	Unit title	Prerequisites
CPCCOHS2001A	Apply OHS requirements, policies and procedures in the construction industry	
CPCCCM2002A	Carry out excavation	*
CPCCCO2013A	Carry out concreting to simple forms	*
LMTGN2004B	Work in a team environment	
LMTGN2005B	Perform minor maintenance	
LMTGN2008B	Coordinate work of team or section	
LMTGN2009B	Operate computing technology in a Textiles, Clothing	

Unit code	Unit title	Prerequisites
	and Footwear workplace	
LMTGN2010B	Perform tasks to support production	
MEM05012C	Perform routine manual metal arc welding	
MEM05050B	Perform routine gas metal arc welding	
AHCLSC308A	Install metal structures and features	

GROUP C

Unit code	Unit title	Prerequisites
MSS402010A	Manage the impact of change on own work	
MSS402001A	Apply competitive systems and practices	
MSS402002A	Sustain process improvements	
MSS402020A	Apply quick changeover procedures	
MSS402021A	Apply Just in Time procedures	
MSS402030A	Apply cost factors	

Unit code	Unit title	Prerequisites
	to work practices	
MSS402031A	Interpret product costs in terms of customer requirements	
MSS402040A	Apply 5S procedures	
MSS402050A	Monitor process capability	
MSS402060A	Use planning software systems in operations	
MSS402061A	Use SCADA systems in operations	
MSACMT270A	Use sustainable energy practices	
MSS402080A	Undertake root cause analysis	
MSS402081A	Contribute to the application of a proactive maintenance strategy	

GROUP D

Other Textile Fabrication units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Other TCF Training Package units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Units from other endorsed Training Packages and accredited courses that are available at Certificates I (maximum 1 unit), II (maximum 2 units) and III (maximum 1 unit)

LMT20607 Certificate II in Clothing Production (Intermediate)

Modification History

Release 2 - imported units updated to current versions, outcomes equivalent.

Description

Job roles/employment outcomes
Certificate II in Clothing Production (Intermediate) reflects vocational outcomes for those performing a limited range of technical and operational tasks within a production oriented work environment.

Application
This qualification is typically used to develop skill and knowledge in the operations of clothing production enterprises. Work is generally supervised.

Pathways Information

Pathways into the qualification
Direct entry into this qualification requires completion of a total of eleven (11) units of competency according to the rules described below.
Units that have been achieved through completion of the LMT11107 Certificate I in Textiles Clothing and Footwear may be credited towards the Certificate II when they are also included in the unit lists for this qualification.

Pathways from the qualification
Further training pathways from this qualification include LMT20707 Certificate II in Clothing Production (Complex or Multiple Processes) and LMT30507 Certificate III in Clothing Production, LMT31407 Certificate III in Applied Fashion Design and Technology or other relevant qualifications.

Licensing/Regulatory Information

There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements in some environments. Local regulations should be checked for details.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skills Summary - **Certificate II in Clothing Production** (**Intermediate**)	
The following table contains a summary of the Employability Skills as identified by the clothing production industries 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 reflect skill requirements for this level.	

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	• communicate with others on production requirements • complete standard documentation • use communication technologies efficiently • demonstrate effective and appropriate communication skills • follow work instructions • maintain production information • read and apply relevant safety information and procedures • interpret workplace procedures and work instructions
Teamwork	• provide support to others in the work area • work independently or as part of a team • undertake appropriate and effective communication with team members and supervisors • identify performance required to meet customer needs in own work and team
Problem-solving	• identify risks associated with materials and equipment • report hazards • determine requirements in own work to meet quality standards • recognise and report problems and faults with clothing items, machinery or processes • use personal protective equipment as required • identify and report potential environmental hazards
Initiative and enterprise	• identify and recommend improvements to own work processes

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• record information on the quality and other indicators of production performance • report problems outside area of responsibility • monitor and adjust activity in response to operational variations
Planning and organising	• plan work requirements • follow schedules and monitor operations • recognise hazards and follow appropriate hazard control measures • follow production sequences for a given process or product • identify production and resource requirements • identify and monitor resource use in own work • coordinate activity to meet delivery or collection timetables
Self-management	• keep the work area clean and tidy at all times • conduct regular housekeeping activities • interpret data and information relevant to own work • monitor own work to ensure quality standards are achieved • conduct work in a manner which minimises waste • understand own work activities and ask questions if required • apply safety procedures, including the use of protective equipment • identify and follow production schedules and work load priorities • follow clothing production machine operation instructions
Learning	• ask questions to expand own understanding of work processes or requirements • demonstrate listening skills • identify own skill requirements and seek skill development if required • access operator manuals to assist own learning
Technology	• use manual handling technologies in the workplace

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• operate clothing production machinery, tools and equipment
	• work with technology safely and according to workplace standards
	• work on a variety of machines used in clothing production operations

Packaging Rules

To be awarded the Certificate II in Clothing Production (Intermediate), competency must be achieved in eleven (11) units of competency.

- Four (4) core units of competency
- Seven (7) elective units of competency as specified below.

Note: Where prerequisite units apply, these have been noted, and must be considered in the total number of units.

CORE UNITS
Complete all four (4) units from this list

Unit code	Unit title
LMTGN2001B	Follow defined OH&S policies and procedures
LMTGN2002B	Apply quality standards
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry
MSAENV272B	Participate in environmentally sustainable work practices

ELECTIVE UNITS
Select seven (7) units as specified below.

- A minimum two (2) units must be selected from Group A
- A maximum of one (1) unit may be selected from Group C
- A maximum of two (2) units may be selected from Group D
- The remainder must be selected from Groups A and B.

GROUP A

Unit code	Unit title	Prerequisites
LMTCL2001B	Use a sewing machine	
LMTCL2002B	Provide hand sewing and finishing support	
LMTCL2003B	Identify fibres and fabrics	
LMTCL2004B	Sew components	LMTCL2001B
LMTCL2005B	Use specialised machinery or processes to assist assembly production	
LMTCL2006B	Press work	
LMTCL2007B	Lay up, mark and cut uncomplicated fabrics and lays	
LMTCL2008B	Finish garment production	LMTCL2003B
LMTCL2009B	Despatch work	
LMTCL2010B	Modify patterns to create basic styles	
LMTCL2011B	Draw and interpret a basic sketch	
LMTCL2012B	Organise and plan own work in a home-based production environment	
LMTCL2013B	Block and shape headwear by machine	
LMTCL2014B	Pack, store, handle or despatch headwear	
LMTCL2015B	Finish headwear	
LMTCL2016B	Trim headwear	
LMTCL2017B	Access and use information resources for clothing production operations	
LMTCL2018B	Perform basic maintenance of headwear	

GROUP B

Unit code	Unit title	Prerequisites
LMTFD2005B	Identify design process for fashion designs	
LMTGN2004B	Work in a team environment	
LMTGN2005B	Perform minor maintenance	
LMTGN2006B	Perform test or inspection to check product quality	
LMTGN2007B	Select, transfer and remove materials and products	
LMTGN2008B	Coordinate work of team or section	
LMTGN2009B	Operate computing technology in a Textiles, Clothing and Footwear workplace	
LMTGN2010B	Perform tasks to support production	

GROUP C

Unit code	Unit title	Prerequisites
MSS402010A	Manage the impact of change on own work	
MSS402001A	Apply competitive systems and practices	
MSS402002A	Sustain process improvements	
MSS402020A	Apply quick changeover procedures	
MSS402021A	Apply Just in Time procedures	
MSS402030A	Apply cost factors to work practices	
MSS402031A	Interpret product costs in terms of customer requirements	
MSS402040A	Apply 5S procedures	
MSS402050A	Monitor process capability	
MSS402060A	Use planning software systems in operations	

Unit code	Unit title	Prerequisites
MSS402061A	Use SCADA systems in operations	
MSACMT270A	Use sustainable energy practices	
MSS402080A	Undertake root cause analysis	
MSS402081A	Contribute to the application of a proactive maintenance strategy	

GROUP D

Other Clothing Production units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Other TCF Training Package units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Units from other endorsed Training Packages and accredited courses that are available at Certificates I (maximum 1 unit), II (maximum 2 units) and III (maximum 1 unit)

LMT20707 Certificate II in Clothing Production (Complex or Multiple Processes)

Modification History

Release 2 - imported units updated to current versions, outcomes equivalent.

Description

Job roles/employment outcomes
Certificate II in Clothing Production (Complex or Multiple Processes) reflects vocational outcomes for those performing a limited range of technical and operational tasks within a production oriented work environment. Some multi-skilled roles can be accommodated in this qualification.

Application
This qualification is typically used to develop skill and knowledge in the operations of clothing production enterprises. Work is generally supervised.

Pathways Information

Pathways into the qualification
Direct entry into this qualification requires completion of a total of thirteen (13) units according to the rules described below.
Units that have been achieved through completion of the LMT11107 Certificate I in Textiles Clothing and Footwear may be credited towards the Certificate II when they are also included in the unit lists for this qualification.

Pathways from the qualification
Further training pathways from this qualification include LMT30507 Certificate III in Clothing Production, LMT31407 Certificate III in Applied Fashion Design and Technology or other relevant qualifications.

Licensing/Regulatory Information

There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements in some environments. Local regulations should be checked for details.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY
Employability Skills Summary - **Certificate II in Clothing Production** (**Complex or Multiple Processes**) The following table contains a summary of the Employability Skills as identified by the clothing production industries 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 reflect skill requirements for this level.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	• communicate with others on production requirements • complete standard documentation • use communication technologies efficiently • demonstrate effective and appropriate communication skills • follow work instructions • maintain production information • read and apply relevant safety information and procedures • interpret workplace procedures and work instructions
Teamwork	• provide support to others in the work area • work independently or as part of a team • undertake appropriate and effective communication with team members and supervisors • identify performance required to meet customer needs in own work and team
Problem-solving	• identify risks associated with materials and equipment • report hazards • determine requirements in own work to meet quality standards • recognise and report problems and faults with clothing items, machinery or processes • use personal protective equipment as required • identify and report potential environmental hazards

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Initiative and enterprise	• identify and recommend improvements to own work processes • record information on the quality and other indicators of production performance • report problems outside area of responsibility • monitor and adjust activity in response to operational variations
Planning and organising	• plan work requirements • follow schedules and monitor operations • recognise hazards and follow appropriate hazard control measures • follow production sequences for a given process or product • identify production and resource requirements • identify and monitor resource use in own work • coordinate activity to meet delivery or collection timetables
Self-management	• keep the work area clean and tidy at all times • conduct regular housekeeping activities • interpret data and information relevant to own work • monitor own work to ensure quality standards are achieved • understand own work activities and ask questions if required • apply safety procedures, including the use of protective equipment • identify and follow production schedules and work load priorities • conduct work in a manner which minimises waste • follow clothing production machine operation instructions
Learning	• ask questions to expand own understanding of work processes or requirements • demonstrate listening skills • identify own skill requirements and seek skill development if required

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• access operator manuals to assist own learning
Technology	• use manual handling technologies in the workplace
	• operate clothing production machinery, tools and equipment
	• work with technology safely and according to workplace standards
	• work on a variety of machines used in clothing production operations

Packaging Rules

To be awarded the Certificate II in Clothing Production (Complex or Multiple Processes), competency must be achieved in thirteen (13) units of competency.

* Four (4) core units of competency
* Nine (9) elective units of competency as specified below.

If Certificate II in Clothing Production (Intermediate) has been achieved, an additional two (2) units are required to complete this qualification. Units that have been credited towards lower level qualifications must not be selected in the additional two (2) unit requirement. A minimum of one of these two (2) units must be selected from the Group A units.
Note: Where prerequisite units apply, these have been noted, and must be considered in the total number of units.

CORE UNITS
Complete all four (4) units from this list

Unit code	Unit title
LMTGN2001B	Follow defined OH&S policies and procedures
LMTGN2002B	Apply quality standards
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry
MSAENV272B	Participate in environmentally sustainable work practices

ELECTIVE UNITS
Select nine (9) units as specified below.

* A minimum of two (2) units must be selected from Group A

- A maximum of one (1) unit may be selected from Group C
- A maximum of two (2) units may be selected from Group D
- The remainder must be selected from Groups A and B.

GROUP A

Unit code	Unit title	Prerequisites
LMTCL2001B	Use a sewing machine	
LMTCL2002B	Provide hand sewing and finishing support	
LMTCL2003B	Identify fibres and fabrics	
LMTCL2004B	Sew components	LMTCL2001B
LMTCL2005B	Use specialised machinery or processes to assist assembly production	
LMTCL2006B	Press work	
LMTCL2007B	Lay up, mark and cut uncomplicated fabrics and lays	
LMTCL2008B	Finish garment production	LMTCL2003B
LMTCL2009B	Despatch work	
LMTCL2010B	Modify patterns to create basic styles	
LMTCL2011B	Draw and interpret a basic sketch	
LMTCL2012B	Organise and plan own work in a home-based production environment	
LMTCL2013B	Block and shape headwear by machine	
LMTCL2014B	Pack, store, handle or despatch headwear	
LMTCL2015B	Finish headwear	
LMTCL2016B	Trim headwear	
LMTCL2017B	Access and use information resources for clothing production operations	

Unit code	Unit title	
LMTCL2018B	Perform basic maintenance of headwear	

GROUP B

Unit code	Unit title	Prerequisites
LMTFD2005B	Identify design process for fashion designs	
LMTGN2004B	Work in a team environment	
LMTGN2005B	Perform minor maintenance	
LMTGN2006B	Perform test or inspection to check product quality	
LMTGN2007B	Select, transfer and remove materials and products	
LMTGN2008B	Coordinate work of team or section	
LMTGN2009B	Operate computing technology in a Textiles, Clothing and Footwear workplace	
LMTGN2010B	Perform tasks to support production	

GROUP C

Unit code	Unit title	Prerequisites
MSS402010A	Manage the impact of change on own work	
MSS402001A	Apply competitive systems and practices	
MSS402002A	Sustain process improvements	
MSS402020A	Apply quick changeover procedures	
MSS402021A	Apply Just in Time procedures	
MSS402030A	Apply cost factors to work practices	
MSS402031A	Interpret product costs in terms of customer	

	requirements	
MSS402040A	Apply 5S procedures	
MSS402050A	Monitor process capability	
MSS402060A	Use planning software systems in operations	
MSS402061A	Use SCADA systems in operations	
MSACMT270A	Use sustainable energy practices	
MSS402080A	Undertake root cause analysis	
MSS402081A	Contribute to the application of a proactive maintenance strategy	

GROUP D

Other Clothing Production units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Other TCF Training Package units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Units from other endorsed Training Packages and accredited courses that are available at Certificates I (maximum 1 unit), II (maximum 2 units) and III (maximum 1 unit)

LMT20807 Certificate II in Millinery

Modification History

Not applicable.

Description

Job roles/employment outcomes
The Certificate II reflects vocational outcomes for those performing a limited range of technical and operational tasks within a production environment. Some multi-skilled roles can be accommodated in this qualification.

Application
This qualification is typically used to develop skill and knowledge in the operations of millinery enterprises. Work is generally supervised.

Pathways into the qualification
Direct entry into this qualification requires completion of a total of thirteen (13) units according to the rules described below.

Units that have been achieved through completion of the LMT11107 Certificate I in Textiles Clothing and Footwear may be credited towards the Certificate II when they are also included in the unit lists for this qualification.

Pathways from the qualification
Further training pathways from this qualification include LMT30607 Certificate III in Millinery.

Licensing considerations
There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements in some environments. Local regulations should be checked for details.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skills Summary - **Certificate II in Millinery** The following table contains a summary of the Employability Skills as identified by the Millinery industries 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 reflect skill requirements for this level.	
Employability Skill	**Industry/enterprise requirements for this qualification include**:
Communication	• communicate with others on design requirements • complete standard documentation • use communication technologies efficiently • communicate production problems • demonstrate effective and appropriate communication skills • follow work instructions • maintain production information • read and apply relevant safety information and procedures • interpret workplace procedures and work instructions
Teamwork	• provide support to others in the work area • work independently or as part of a team • undertake appropriate and effective communication with team members and supervisors • identify performance required to meet customer needs in own work and team
Problem-solving	• identify risks associated with chemicals and equipment • report hazards • determine requirements in own work to meet quality standards • recognise and report problems and faults with millinery items, machinery or processes • use personal protective equipment as required • identify and report potential environmental hazards

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Initiative and enterprise	• identify and recommend improvements to own work processes • record information on the quality and other indicators of production performance • report problems outside area of responsibility • monitor and adjust activity in response to operational variations
Planning and organising	• plan work requirements • follow schedules and monitor operations • recognise hazards and follow appropriate hazard control measures • follow production sequences for a given process or product • identify production and resource requirements • identify and monitor resource use in own work • coordinate activity to meet delivery or collection timetables • identify and use relevant personal protective equipment
Self-management	• keep the work area clean and tidy at all times • conduct regular housekeeping activities • interpret data and information relevant to own millinery operations • monitor own work to ensure quality standards are achieved • understand own work activities and ask questions if required • apply safety procedures, including the use of protective equipment • identify and follow production schedules and work load priorities • follow millinery machine operation instructions
Learning	• ask questions to expand own understanding of work processes or requirements • demonstrate listening skills • identify own skill requirements and seek skill

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	development if required • access operator manuals to assist own learning
Technology	• use manual handling technologies in the workplace • operate millinery machinery, tools and equipment • work with technology safely and according to workplace standards • handle and use adhesives correctly and safely • work on a variety of machines used in millinery operations

Packaging Rules

Packaging Rules

To be awarded the Certificate II in Millinery, competency must be achieved in thirteen (13) units of competency.

- Eight (8) core units of competency
- Five (5) elective units of competency as specified below.

Note: Where prerequisite units apply, these have been noted, and must be considered in the total number of units.

CORE UNITS

Complete all eight (8) units from this list

Unit code	Unit title
LMTGN2001B	Follow defined OH&S policies and procedures
LMTGN2002B	Apply quality standards
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry
LMTML2001A	Identify materials used in millinery
LMTML2002A	Make flat patterns for millinery

Unit code	Unit title
LMTML2007A	Block and shape millinery by hand
LMTML2008A	Assemble simple blocked millinery components
MSAENV272B	Participate in environmentally sustainable work practices

ELECTIVE UNITS

Select five (5) units as specified below.

- A minimum of one (1) unit must be selected from Group A
- A maximum of two (2) units may be selected from Group C
- The remainder must be selected from Groups A and B.
-

GROUP A

Unit code	Unit title	Prerequisites
LMTML2003A	Produce and attach millinery trims	
LMTML2004A	Produce felt for millinery	LMTML2001A
LMTML2005A	Place and cut millinery patterns	
LMTML2006A	Use millinery steaming and pressing equipment	
LMTML2009A	Apply millinery sewing and adhesion techniques	
LMTML2010A	Make millinery with flat pattern components	

GROUP B

Unit code	Unit title	Prerequisites
LMTCL2001B	Use a sewing machine	

Unit code	Unit title	Prerequisites
LMTCL2005B	Use specialised machinery to assist assembly production	
LMTCL2011B	Draw and interpret a basic sketch	
LMTCL2018B	Perform basic maintenance of headwear or millinery	
LMTGN2004B	Work in a team environment	
LMTGN2005B	Perform minor maintenance	
LMTGN2006B	Perform test or inspection to check product quality	
LMTGN2008B	Coordinate work of team or section	
LMTGN2009B	Operate computing technology in a Textiles, Clothing and Footwear workplace	
LMTGN2010B	Perform tasks to support production	

GROUP C

Other Millinery units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)
Other TCF Training Package units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)
Units from other endorsed Training Packages and accredited courses that are available

Other Millinery units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)
at Certificates I (maximum 1 unit), II (maximum 2 units) and III (maximum 1 unit)

LMT20907 Certificate II in Footwear Production (Intermediate)

Modification History

Release 2 - imported units updated to current versions, outcomes equivalent.

Description

Job roles/employment outcomes
Certificate II (Intermediate) reflects vocational outcomes for those performing a limited range of technical and operational tasks within a production oriented work environment.
Application
This qualification is typically used to develop skill and knowledge in the operations of footwear production enterprises. Work is generally supervised.

Pathways Information

Pathways into the qualification
Direct entry into this qualification requires completion of a total of eleven (11) units of competency according to the rules described below.
Units that have been achieved through completion of the LMT11107 Certificate I in Textiles Clothing and Footwear may be credited towards the Certificate II when they are also included in the unit lists for this qualification.

Pathways from the qualification
Further training pathways from this qualification include LMT21707 Certificate II in Footwear Production (Complex or Multiple Processes) and LMT30707 Certificate III in Footwear Production.

Licensing/Regulatory Information

There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements in some environments. Local regulations should be checked for details.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skills Summary - **Certificate II in Footwear Production** (**Intermediate**) The following table contains a summary of the Employability Skills as identified by the footwear production industries 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 reflect skill requirements for this level.	
Employability Skill	**Industry/enterprise requirements for this qualification include**:
Communication	• communicate effectively with others in the workplace • complete written orders and documentation where required • use communication technologies efficiently • follow work instructions, visuals and signs • demonstrate effective and appropriate communication and interpersonal skills • read and interpret production orders and specifications
Teamwork	• work cooperatively with people of different ages, gender, race or religion • provide support to others in the work area • work as part of a team • contribute in team meetings • identify performance required to meet customer needs in own work • share work information with team members
Problem-solving	• identify and report any workplace hazards • identify production problems and make contributions to their solution • apply knowledge of materials, product purpose and processes to operations • check machine performance and identify signs of faulty operations • use material and process knowledge to solve problems • monitor workplace activities and identify and report faults or problems

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	- recognise hazards and follow appropriate hazard control measures - identify and report potential environmental hazards
Initiative and enterprise	- provide feedback on procedures and processes - gather and interpret information - ask questions regarding requirements and expectations - make suggestions for continuous improvement - inspect quality of production on an ongoing basis - record basic information on the quality and other indicators of production performance
Planning and organising	- plan work requirements and task sequences - follow work schedules - monitor production - identify hazards and follow appropriate hazard control measures - identify requirements for materials, quality and production - identify and monitor resource use in own work - apply time management skills to ensure work flow - sequence work pieces - monitor and maintain product quality
Self-management	- keep the work area clean and tidy at all times - conduct regular housekeeping activities - interpret data and information as required by own job - understand own work activities - monitor and evaluate own work - conduct work in a manner which minimises waste - accept responsibility for own work
Learning	- assess own competencies in meeting job requirements - listen to feedback from others - identify own skill requirements and seek skill development if required - identify sources of information to expand knowledge and understanding
Technology	test machines for correct operation

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	- operate machines - use machinery to meet productivity requirements - perform minor maintenance on machinery - clean and check machines - work with technology safely and according to workplace standards

Packaging Rules

To be awarded the Certificate II in Footwear Production (Intermediate), competency must be achieved in eleven (11) units of competency.

- Four (4) core units of competency
- Seven (7) elective units of competency as specified below.

CORE UNITS
Complete all four (4) units from this list

Unit code	Unit title
LMTGN2001B	Follow defined OH&S policies and procedures
LMTGN2002B	Apply quality standards
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry
MSAENV272B	Participate in environmentally sustainable work practices

ELECTIVE UNITS
Select seven (7) units as specified below.

- A minimum of two (2) units must be selected from Group A
- A maximum of one (1) unit may be selected from Group C
- A maximum of two (2) units may be selected from Group D
- The remainder must be selected from Groups A and B.

GROUP A

Unit code	Unit title	Prerequisites

Unit code	Unit title	Prerequisites
LMTFP2001B	Identify materials used in footwear production	
LMTFP2002B	Perform stuff cutting	
LMTFP2003B	Cut printed materials by machine	
LMTFP2004B	Cut non printed leather by machine	
LMTFP2005B	Operate machine to sew upper	
LMTFP2006B	Machine upper according to product requirements	LMTFP2005B
LMTFP2007B	Last shoe by machine	
LMTFP2008B	Perform moulding operations	
LMTFP2009B	Perform footwear finishing operations	
LMTFP2010B	Repair footwear product	
LMTFP2011B	Perform table-based operations	

GROUP B

Unit code	Unit title	Prerequisites
LMTGN2004B	Work in a team environment	
LMTGN2005B	Perform minor maintenance	
LMTGN2006B	Perform test or inspection	

Unit code	Unit title	Prerequisites
	to check product quality	
LMTGN2007B	Select, transfer and remove materials and products	
LMTGN2008B	Coordinate work of team or section	
LMTGN2009B	Operate computing technology in a Textiles, Clothing and Footwear workplace	
LMTGN2010B	Perform tasks to support production	

GROUP C

Unit code	Unit title	Prerequisites
MSS402010A	Manage the impact of change on own work	
MSS402001A	Apply competitive systems and practices	
MSS402002A	Sustain process improvements	
MSS402020A	Apply quick changeover procedures	
MSS402021A	Apply Just in Time procedures	
MSS402030A	Apply cost factors to work practices	

Unit code	Unit title	Prerequisites
MSS402031A	Interpret product costs in terms of customer requirements	
MSS402040A	Apply 5S procedures	
MSS402050A	Monitor process capability	
MSS402060A	Use planning software systems in operations	
MSS402061A	Use SCADA systems in operations	
MSACMT270A	Use sustainable energy practices	
MSS402080A	Undertake root cause analysis	
MSS402081A	Contribute to the application of a proactive maintenance strategy	

GROUP D

Other Footwear Production units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Other TCF Training Package units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Units from other endorsed Training Packages and accredited courses that are available

Other Footwear Production units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

at Certificates I (maximum 1 unit), II (maximum 2 units) and III (maximum 1 unit)

LMT21007 Certificate II in Footwear Production (Complex or Multiple Processes)

Modification History

Release 2 - imported units updated to current versions, outcomes equivalent.

Description

Job roles/employment outcomes
Certificate II in Footwear Production (Complex or Multiple Processes) reflects vocational outcomes for those performing a limited range of technical and operational tasks within a production oriented work environment. Some multi-skilled roles can be accommodated in this qualification.
Application
This qualification is typically used to develop skill and knowledge in the operations of footwear production enterprises. Work is generally supervised.

Pathways Information

Pathways into the qualification
Direct entry into this qualification requires completion of a total of thirteen (13) units according to the rules described below.
Units that have been achieved through completion of the LMT11107 Certificate I in Textiles Clothing and Footwear may be credited towards the Certificate II when they are also included in the unit lists for this qualification.

Pathways from the qualification
Further training pathways from this qualification include LMT30707 Certificate III in Footwear Production.

Licensing/Regulatory Information

There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements in some environments. Local regulations should be checked for details.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skills Summary - Certificate II in Footwear Production (Complex or Multiple Processes) The following table contains a summary of the Employability Skills as identified by the footwear production industries 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 reflect skill requirements for this level.	
Employability Skill	**Industry/enterprise requirements for this qualification include:**
Communication	• communicate effectively with others in the workplace • complete written orders and documentation where required • use communication technologies efficiently • follow work instructions, visuals and signs • demonstrate effective and appropriate communication and interpersonal skills • read and interpret production orders and specifications
Teamwork	• work cooperatively with people of different ages, gender, race or religion • provide support to others in the work area • work as part of a team • contribute in team meetings • identify performance required to meet customer needs in own work • share work information with team members
Problem-solving	• identify and report any workplace hazards • identify production problems and make contributions to their solution • apply knowledge of materials, product purpose and processes to operations • check machine performance and identify signs of faulty operations • use material and process knowledge to solve problems • monitor workplace activities and identify and report

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

	- faults or problems - recognise hazards and follow appropriate hazard control measures - identify and report potential environmental hazards
Initiative and enterprise	- provide feedback on procedures and processes - gather and interpret information - ask questions regarding requirements and expectations - make suggestions for continuous improvement - inspect quality of production on an ongoing basis - record basic information on the quality and other indicators of production performance
Planning and organising	- plan work requirements and task sequences - follow work schedules - monitor production - identify hazards and follow appropriate hazard control measures - identify requirements for materials, quality and production - apply time management skills to ensure work flow - sequence work pieces - monitor and maintain product quality
Self-management	- keep the work area clean and tidy at all times - conduct regular housekeeping activities - interpret data and information as required by own job - understand own work activities - monitor and evaluate own work - identify and monitor resource use in own work - accept responsibility for own work
Learning	- assess own competencies in meeting job requirements - listen to feedback from others - identify own skill requirements and seek skill development if required - identify sources of information to expand knowledge and understanding
Technology	test machines for correct operation

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• operate machines
	• use machinery to meet productivity requirements
	• perform minor maintenance on machinery
	• clean and check machines
	• work with technology safely and according to workplace standards

Packaging Rules

To be awarded the Certificate II in Footwear Production (Complex or Multiple Processes), competency must be achieved in thirteen (13) units of competency.

- Four (4) core units of competency
- Nine (9) elective units of competency as specified below.

If Certificate II in Footwear Production (Intermediate) has been achieved, an additional two (2) units are required to complete this qualification. Units that have been credited towards lower level qualifications must not be selected in the additional two (2) unit requirement. A minimum of one (1) of these two (2) units must be selected from the Group A units.
Note: Where prerequisite units apply, these have been noted, and must be considered in the total number of units.

CORE UNITS
Complete all four (4) units from this list

Unit code	Unit title
LMTGN2001B	Follow defined OH&S policies and procedures
LMTGN2002B	Apply quality standards
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry
MSAENV272B	Participate in environmentally sustainable work practices

ELECTIVE UNITS
Select nine (9) units as specified below.

- A minimum of two (2) units must be selected from Group A
- A maximum of one (1) unit may be selected from Group C
- A maximum of two (2) units may be selected from Group D
- The remainder must be selected from Groups A and B.

GROUP A

Unit code	Unit title	Prerequisites
LMTFP2001B	Identify materials used in footwear production	
LMTFP2002B	Perform stuff cutting	
LMTFP2003B	Cut printed materials by machine	
LMTFP2004B	Cut non printed leather by machine	
LMTFP2005B	Operate machine to sew upper	
LMTFP2006B	Machine upper according to product requirements	LMTFP2005B
LMTFP2007B	Last shoe by machine	
LMTFP2008B	Perform moulding operations	
LMTFP2009B	Perform footwear finishing operations	
LMTFP2010B	Repair footwear product	
LMTFP2011B	Perform table-based operations	

GROUP B

Unit code	Unit title	Prerequisites
LMTGN2004B	Work in a team environment	
LMTGN2005B	Perform minor	

Unit code	Unit title	Prerequisites
	maintenance	
LMTGN2006B	Perform test or inspection to check product quality	
LMTGN2007B	Select, transfer and remove materials and products	
LMTGN2008B	Coordinate work of team or section	
LMTGN2009B	Operate computing technology in a Textiles, Clothing and Footwear workplace	
LMTGN2010B	Perform tasks to support production	

GROUP C

Unit code	Unit title	Prerequisites
MSS402010A	Manage the impact of change on own work	
MSS402001A	Apply competitive systems and practices	
MSS402002A	Sustain process improvements	
MSS402020A	Apply quick changeover procedures	
MSS402021A	Apply Just in Time procedures	
MSS402030A	Apply cost factors	

	to work practices	
MSS402031A	Interpret product costs in terms of customer requirements	
MSS402040A	Apply 5S procedures	
MSS402050A	Monitor process capability	
MSS402060A	Use planning software systems in operations	
MSS402061A	Use SCADA systems in operations	
MSACMT270A	Use sustainable energy practices	
MSS402080A	Undertake root cause analysis	
MSS402081A	Contribute to the application of a proactive maintenance strategy	

GROUP D

Other Footwear Production units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Other TCF Training Package units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Units from other endorsed Training Packages and accredited courses that are available at Certificates I (maximum 1 unit), II (maximum 2 units) and III (maximum 1 unit)

LMT21107 Certificate II in Footwear Repair

Modification History

Release 2 - imported units updated to current versions, outcomes equivalent.

Description

Job roles/employment outcomes
The Certificate II reflects vocational outcomes for those performing a limited range of technical and operational tasks within a production environment. Some multi-skilled roles can be accommodated in this qualification.

Application
This qualification is typically used to develop skill and knowledge in the operations of footwear repair enterprises. Work is generally supervised.

Pathways Information

Pathways into the qualification
Direct entry into this qualification requires completion of a total of thirteen (13) units of competency according to the rules described below.
Units that have been achieved through completion of the LMT11107 Certificate I in Textiles Clothing and Footwear may be credited towards the Certificate II when they are also included in the unit lists for this qualification.

Pathways from the qualification
Further training pathways from this qualification include LMT30807 Certificate III in Footwear Repair.

Licensing/Regulatory Information

There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements in some environments. Local regulations should be checked for details.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skills Summary - **Certificate II in Footwear Repair** The following table contains a summary of the Employability Skills as identified by the footwear repair industries 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 reflect skill requirements for this level.	
Employability Skill	**Industry/enterprise requirements for this qualification include**:
Communication	• communicate verbally with internal and external clients • complete written documentation and job tickets • use communication technologies efficiently • demonstrate effective and appropriate communication and interpersonal skills • interpret and apply workplace procedures and instructions • share workplace information • communicate information about problems with footwear • read and understand job specifications • communication information relating to OHS
Teamwork	• work independently or as part of a team • work cooperatively with people of different ages, gender, race or religion • provide support to others in the work area • identify performance required to meet customer needs in own work and/or team • identify own role and responsibility within a team
Problem-solving	• identify and report any workplace hazards • identify footwear problems and make contributions to their solution • apply knowledge of materials, product purpose and processes to operations • check machine performance and identify signs of faulty operations

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	- identify repair, design and finish requirements for footwear - use material and process knowledge to solve problems - monitor workplace activities and identify and report faults or problems - recognise hazards and follow appropriate hazard control measures - identify and report potential environmental hazards
Initiative and enterprise	- provide feedback on procedures and processes - gather and interpret information - ask questions regarding requirements and expectations - make suggestions for continuous improvement - inspect quality of footwear on an ongoing basis - record basic information on the quality and other indicators of production performance
Planning and organising	- plan work activities - monitor production and work load priorities - identify types and quantities of materials, chemicals for repair - select appropriate tools - determine appropriate method of repair - identify requirements for materials, quality and production - identify and monitor resource use in own work - direct articles to the correct area for further processing - identify and use relevant personal protective equipment - organise work area to maintain housekeeping standards
Self-management	- plan to meet own work requirements - keep the work area clean and tidy at all times - conduct regular housekeeping activities - interpret data and information as required by own job - monitor own work - conduct work in a manner which minimises waste - understand own work activities

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• identify personal responsibilities • accept responsibility for quality of own work • follow OHS practices during the preparation, repair and finishing of shoes
Learning	• assess own competencies in meeting job requirements • listen to feedback and advice of supervisors • identify own skill requirements and seek skill development if required • attend training or skill development activities • ask questions to expand own knowledge
Technology	• use appropriate tools, machines and equipment safely and effectively • use machinery to meet productivity requirements • perform minor maintenance on machinery in accordance with workplace practice • use manual handling technologies in the workplace • set up and adjust tools and equipment

Packaging Rules

To be awarded the Certificate II in Footwear Repair, competency must be achieved in thirteen (13) units of competency.

- Five (5) core units of competency
- Eight (8) elective units of competency as specified below.

Note: Where prerequisite units apply, these have been noted, and must be considered in the total number of units.

CORE UNITS
Complete all five (5) units from this list

Unit code	Unit title
LMTFP2001B	Identify materials used in footwear production
LMTGN2001B	Follow defined OH&S policies and procedures

Unit code	Unit title
LMTGN2002B	Apply quality standards
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry
MSAENV272B	Participate in environmentally sustainable work practices

ELECTIVE UNITS
Select eight (8) units as specified below.

- A minimum of four (4) units must be selected from Group A
- A maximum of one (1) unit may be selected from Group C
- A maximum of two (2) units may be selected from Group D
- The remainder must be selected from Groups A and B.

GROUP A

Unit code	Unit title	Prerequisites
LMTFR2001A	Assess and cost footwear repair job	
LMTFR2002A	Supply and fit new heel block	
LMTFR2003A	Attach non-slip sole and heel top piece	
LMTFR2004A	Replace half leather sole	
LMTFR2005A	Sew or patch by machine	
LMTLG2006A	Identify materials used in leather goods production	
MEM18001C	Use hand tools	
MEM19006B	Replace watch batteries	MEM18001C
MEM20001A	Produce keys	

GROUP B

Unit code	Unit title	Prerequisites
LMTGN2004B	Work in a team environment	
LMTGN2005B	Perform minor maintenance	
LMTGN2006B	Perform test or inspection to check product quality	
LMTGN2007B	Select, transfer and remove materials and products	
LMTGN2008B	Coordinate work of team or section	
LMTGN2009B	Operate computing technology in a Textiles, Clothing and Footwear workplace	
LMTGN2010B	Perform tasks to support production	
LMTGN3002B	Organise and plan own work to achieve planned outcomes	

GROUP C

Unit code	Unit title	Prerequisites
MSS402010A	Manage the impact of change on own work	
MSS402001A	Apply competitive systems and practices	

Unit code	Unit title	Prerequisites
MSS402002A	Sustain process improvements	
MSS402020A	Apply quick changeover procedures	
MSS402021A	Apply Just in Time procedures	
MSS402030A	Apply cost factors to work practices	
MSS402031A	Interpret product costs in terms of customer requirements	
MSS402040A	Apply 5S procedures	
MSS402050A	Monitor process capability	
MSS402060A	Use planning software systems in operations	
MSS402061A	Use SCADA systems in operations	
MSACMT270A	Use sustainable energy practices	
MSS402080A	Undertake root cause analysis	
MSS402081A	Contribute to the application of a proactive maintenance	

Unit code	Unit title	Prerequisites
	strategy	

GROUP D

Other Footwear Repair units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Other TCF Training Package units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Units from other endorsed Training Packages and accredited courses that are available at Certificates I (maximum 1 unit), II (maximum 2 units) and III (maximum 1 unit)

LMT21207 Certificate II in Leather Production

Modification History

Release 2 - imported units updated to current versions, outcomes equivalent.

Description

Job roles/employment outcomes
The Certificate II reflects vocational outcomes for those performing a limited range of technical and operational tasks within a production environment. Some multi-skilled roles can be accommodated in this qualification.

Application
This qualification is typically used to develop skill and knowledge in the operations of a hide, skin and leather processing enterprise or an enterprise involved in the production of leather goods. Work is generally supervised.

Pathways Information

Pathways into the qualification
Direct entry into this qualification requires completion of a total of thirteen (13) units of competency according to the rules described below.
Units that have been achieved through completion of the LMT11107 Certificate I in Textiles Clothing and Footwear may be credited towards the Certificate II when they are also included in the unit lists for this qualification.

Pathways from the qualification
Further training pathways from this qualification include LMT30907 Certificate III in Leather Production.

Licensing/Regulatory Information

There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements in some environments. Local regulations should be checked for details.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skills Summary - Certificate II in Leather Production The following table contains a summary of the Employability Skills as identified by the leather production industries 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 reflect skill requirements for this level.	
Employability Skill	**Industry/enterprise requirements for this qualification include**:
Communication	- communicate effectively with others in the workplace - complete written orders and documentation where required - use communication technologies efficiently - follow work instructions, visuals and signs - demonstrate effective and appropriate communication and interpersonal skills - read and interpret shop floor orders
Teamwork	- work cooperatively with people of different ages, gender, race or religion - provide support to others in the work area - work as part of a team - contribute in team meetings - identify performance required to meet customer needs in own work - share work information with team members
Problem-solving	- identify and report hazards - check performance of equipment and make approved adjustments - identify problems and make contributions to their solution - monitor and report on workplace activities - refer problems to team leaders and supervisors - identify effective and efficient ways to conduct work activities - identify and report potential environmental hazards

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Initiative and enterprise	- recommend and initiate continuous improvement suggestions - attend workplace meetings - provide feedback on procedures - ask questions about requirements and expectations - record basic information on the quality and other indicators of production performance
Planning and organising	- plan work requirements and task sequences - follow work schedules - monitor production - identify hazards and follow appropriate hazard control measures - identify requirements for materials, chemicals, quality and production - identify and monitor resource use in own work - apply time management skills to ensure work flow - sequence work pieces - monitor and maintain product quality
Self-management	- keep the work area clean and tidy at all times - conduct regular housekeeping activities - interpret data and information as required by own job - understand own work activities - monitor and evaluate own work - conduct work in a manner which minimises waste - accept responsibility for own work
Learning	- assess own competencies in meeting job requirements - listen to feedback from others - identify own skill requirements and seek skill development if required - identify sources of information to expand knowledge and understanding
Technology	- test machines for correct operation - operate machines - use machinery to meet productivity requirements - perform minor maintenance on machinery

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• clean and check machines
	• work with technology safely and according to workplace standards

Packaging Rules

To be awarded the Certificate II in Leather Production, competency must be achieved in thirteen (13) units of competency.

- Five (5) core units of competency
- Eight (8) elective units of competency as specified below.

Note: Where prerequisite units apply, these have been noted, and must be considered in the total number of units.

CORE UNITS
Complete all five (5) units from this list

Unit code	Unit title
LMTGN2001B	Follow defined OH&S policies and procedures
LMTGN2002B	Apply quality standards
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry
LMTGN2010B	Perform tasks to support production
MSAENV272B	Participate in environmentally sustainable work practices

ELECTIVE UNITS
Select eight (8) units as specified below.

- A minimum of four (4) units must be chosen from Group A When this qualification is applied for a hide skin and leather context, the four (4) units must be selected from Group A units coded HL When this qualification is applied for a leather production context, the four (4) units must be selected from Group A units coded LG
- A maximum of one (1) unit may be chosen from Group C.
- A maximum of two (2) units may be selected from Group D
- The remainder must be selected from Groups A and B.
-

GROUP A

Unit code	Unit title	Prerequisites
LMTHL2001A	Undertake receival, storage, handling and preservation of materials or products	
LMTHL2002A	Perform fellmongering processes	
LMTHL2003A	Operate machines to prepare hides or skins for tanning	
LMTHL2004A	Prepare chemicals to a formula	
LMTHL2006A	Use drum or vessel to prepare or tan hides or skins	
LMTHL2007A	Operate machine to crust hides, skins or leather	
LMTHL2008A	Use drum or vessel to crust hides, skins or leather	
LMTHL2009A	Perform drying operations	
LMTHL2010A	Finish hides, skins or leather	
LMTHL2011A	Trim hides, skins or leather	
LMTHL2012A	Sort, grade or class hides, skins or leather	
LMTLG2000A	Skive leather pieces	
LMTLG2001A	Cut by machine	

Unit code	Unit title	Prerequisites
LMTLG2002A	Sew leather by machine	
LMTLG2003A	Perform table work	
LMTLG2004A	Operate leather production machines	
LMTLG2005A	Split leather pieces	
LMTLG2006A	Identify materials used in leather goods production	

GROUP B

Unit code	Unit title	Prerequisites
LMTGN2004B	Work in a team environment	
LMTGN2005B	Perform minor maintenance	
LMTGN2006B	Perform test or inspection to check product quality	
LMTGN2007B	Select, transfer and remove materials and products	
LMTGN2008B	Coordinate work of team or section	
LMTGN2009B	Operate computing technology in a Textiles, Clothing and Footwear workplace	
MEM11010B	Operate mobile load shifting equipment	

GROUP C

Unit code	Unit title	Prerequisites
MSS402010A	Manage the impact of change on own work	
MSS402001A	Apply competitive systems and practices	
MSS402002A	Sustain process improvements	
MSS402020A	Apply quick changeover procedures	
MSS402021A	Apply Just in Time procedures	
MSS402030A	Apply cost factors to work practices	
MSS402031A	Interpret product costs in terms of customer requirements	
MSS402040A	Apply 5S procedures	
MSS402050A	Monitor process capability	
MSS402060A	Use planning software systems in operations	
MSS402061A	Use SCADA systems in operations	

Unit code	Unit title	Prerequisites
MSACMT270A	Use sustainable energy practices	
MSS402080A	Undertake root cause analysis	
MSS402081A	Contribute to the application of a proactive maintenance strategy	

GROUP D

Other Leather Production units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Other TCF Training Package units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Units from other endorsed Training Packages and accredited courses that are available at Certificates I (maximum 1 unit), II (maximum 2 units) and III (maximum 1 unit)

LMT21410 Certificate II in Laundry Operations

Modification History

Release 2 - imported units updated to current versions, outcomes equivalent.

Description

This qualification describes the skills and knowledge required to conduct operational and support functions within a laundry enterprise.

Job roles/employment outcomes
The Certificate II in Laundry Operations reflects vocational outcomes for those performing a limited range of technical and operational tasks within a laundry environment. Some multi-skilled roles can be accommodated in this qualification.

Application
This qualification is typically used to develop skill and knowledge in the operations of laundry enterprises. Work is generally supervised.

Pathways Information

Pathways into the qualification
Direct entry into this qualification requires completion of a total of thirteen (13) units of competency according to the rules described below.
Units that have been achieved through completion of the LMT11107 Certificate I in Textiles Clothing and Footwear may be credited towards the Certificate II when they are also included in the unit lists for this qualification.

Pathways from the qualification
Further training pathways from this qualification include LMT31110 Certificate III in Laundry Operations.

Licensing/Regulatory Information

There are no specific licences that relate to this qualification. However, depending on the jurisdiction, licensing or regulatory requirements may apply to the use of some units in this qualification. Local regulations should be checked for details.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skill	**Industry/enterprise requirements for this qualification include**:
Communication	• communicate with others to ensure flow of laundry processes • read and understand international and Australian care labels and symbols • complete standard documentation • use communication technologies efficiently • communicate problems with garments and stains • demonstrate effective and appropriate communication skills • follow work instructions • maintain production information • read and apply relevant safety information and procedures • interpret workplace procedures and work instructions
Teamwork	• work cooperatively with people of different ages, gender, race and religion • provide support to others in the work area • work on a variety of machines used in laundry operations • work independently or as part of a team • undertake appropriate and effective communication with team members • identify performance required to meet customer needs in own work and team
Problem solving	• identify risks associated with chemicals and equipment • identify and report safety hazards • identify and report environmental hazards • determine requirements to meet quality standards • recognise and act upon problems and faults with laundry items, machinery or laundry processes

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• use personal protective equipment as required
Initiative and enterprise	• identify and recommend improvements to own work processes • contribute to meetings • record information on the quality and other indicators of production performance • report problems outside area of responsibility • monitor and adjust activity in response to operational variations • seek opportunities to improve resource efficiency
Planning and organising	• plan work requirements • follow schedules and monitor operations • recognise hazards and follow appropriate hazard control measures • follow washing sequences for a given process or product • identify production and resource requirements • identify and monitor resource use in own work • coordinate activity to meet delivery or collection timetables • identify and use relevant personal protective equipment
Self-management	• keep the work area clean and tidy at all times • conduct regular housekeeping activities • follow environmental sustainability procedures • interpret data and information relevant to own laundry operations • monitor own work to ensure quality standards are achieved • conduct work in a manner which minimises waste • understand own work activities and ask questions if required • apply safety procedures, including the use of protective equipment • identify and follow production schedules and work load priorities

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• follow laundry machine operator instructions
Learning	• ask questions to expand own understanding of work processes or requirements
	• demonstrate listening skills
	• identify own skill requirements and seek skill development if required
	• access operator manuals to assist own learning
Technology	• use manual handling technologies in the workplace
	• operate laundry machinery
	• work with technology safely and according to workplace standards
	• handle and use chemicals correctly and safely

Packaging Rules

To be awarded the Certificate II in Laundry Operations, competency must be achieved in thirteen (13) units of competency.

• Five (5) core units of competency
• Eight (8) elective units of competency as specified below.

Note: Where prerequisite units apply, these have been noted, and must be considered in the total number of units.

CORE UNITS
Complete all five (5) units from this list

Unit code	Unit title
LMTDC2010A	Identify fabric and garment cleaning requirements
LMTGN2001B	Follow defined OH&S policies and procedures
LMTGN2002B	Apply quality standards
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry
MSAENV272B	Participate in environmentally sustainable work practices

ELECTIVE UNITS

Select eight (8) units as specified below.

- A minimum of three (3) units must be selected from Group A
- A maximum of one (1) unit may be selected from Group C
- A maximum of two (2) units may be selected from Group D
- The remainder must be selected from Groups A and B.
-

GROUP A

Unit code	Unit title	Prerequisites
LMTDC2001A	Provide customer service in a dry cleaning or laundry enterprise	
LMTDC2007A	Receive and sort articles for cleaning	
LMTLA2001A	Conduct safe handling of laundry chemicals	
LMTLA2002A	Operate washing machines	
LMTLA2003A	Control washing machine operation	LMTLA2002A
LMTLA2004A	Perform linen rewash	LMTLA2002A
LMTLA2005A	Operate hydro extractor	
LMTLA2006A	Perform conditioning and drying processes	
LMTLA2007A	Finish products for despatch	
LMTLA2008A	Repair damaged laundry items	
LMTLA2009A	Inspect, fold and	

Unit code	Unit title	Prerequisites
	pack theatre linen	
LMTLA2010A	Prepare products for storage or despatch	
LMTLA2011A	Apply infection control policies and procedures in laundry operations	

GROUP B

Unit code	Unit title	Prerequisites
LMTCL2001B	Use a sewing machine	
LMTCL2002B	Provide hand sewing and finishing support	
LMTCL2003B	Identify fibres and fabrics	
LMTCL2004B	Sew components	LMTCL2001B
LMTCL2006B	Press work	
LMTGN2004B	Work in a team environment	
LMTGN2006B	Perform test or inspection to check product quality	
LMTGN2007B	Select, transfer and remove materials and products	
LMTGN2008B	Coordinate work of team or section	

Unit code	Unit title	Prerequisites
LMTGN2009B	Operate computing technology in a Textiles, Clothing and Footwear workplace	
LMTGN2010B	Perform tasks to support production	
MEM07033B	Operate and monitor basic boiler	
MEM07034A	Operate and monitor intermediate class boiler	MEM07033B

GROUP C

Unit code	Unit title	Prerequisites
MSS402010A	Manage the impact of change on own work	
MSS402001A	Apply competitive systems and practices	
MSS402002A	Sustain process improvements	
MSS402021A	Apply Just in Time procedures	
MSS402030A	Apply cost factors to work practices	
MSS402031A	Interpret product costs in terms of customer	

Unit code	Unit title	Prerequisites
	requirements	
MSS402040A	Apply 5S procedures	
MSS402050A	Monitor process capability	
MSS402060A	Use planning software systems in operations	
MSS402061A	Use SCADA systems in operations	
MSACMT270A	Use sustainable energy practices	
MSS402080A	Undertake root cause analysis	
MSS402081A	Contribute to the application of a proactive maintenance strategy	

GROUP D

Other Laundry Operations units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Other TCF Training Package units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Units from other endorsed Training Packages and accredited courses that are available at Certificates I (maximum 1 unit), II (maximum 2 units) and III (maximum 1 unit)

LMT21510 Certificate II in Dry Cleaning Operations

Modification History

Release 2 - imported units updated to current versions, outcomes equivalent.

Description

This qualification describes the skills and knowledge required to conduct operational and support functions within a dry cleaning enterprise.

Job roles/employment outcomes
The Certificate II In Dry Cleaning Operations reflects vocational outcomes for those performing a limited range of technical and operational tasks within a dry cleaning environment. Some multi-skilled roles can be accommodated in this qualification. Outcomes include those working directly with dry cleaning machines and processes as well as those providing informed customer service and support functions.

Application
This qualification is typically used to develop skill and knowledge in the operations of dry cleaning enterprises. Work is generally supervised.

Pathways Information

Pathways into the qualification
Direct entry into this qualification requires completion of a total of thirteen (13) units of competency according to the rules described below.
Units that have been achieved through completion of the LMT11107 Certificate I in Textiles Clothing and Footwear may be credited towards the Certificate II when they are also included in the unit lists for this qualification.

Pathways from the qualification
Further training pathways from this qualification include LMT31207 Certificate III in Dry Cleaning Operations.

Licensing/Regulatory Information

There are no specific licences that relate to this qualification. However, depending on the jurisdiction, licensing or regulatory requirements may apply to the use of some units in this qualification. Local regulations should be checked for details.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skill	**Industry/enterprise requirements for this qualification include the following facets**:
Communication	• communicate verbally with internal and external clients • read and interpret international and Australian care labels and symbols • complete written documents where required • use communication technologies efficiently • share workplace information • communicate information about problems with garments and stains • follow work instructions, visuals and signs • read and understand job specifications • communicate information relating to OHS
Teamwork	• work cooperatively with people of different ages, gender, race or religion • provide support to others in the work area • work independently or as part of a team • contribute in team meetings • identify performance required to meet customer needs in own work and team • identify own role and responsibility within a team
Problem solving	• identify risks associated with dry cleaning chemicals and equipment • identify and report safety hazards • identify and report environmental hazards • clarify and address potential issues • identify problems and make contributions to their solution • monitor workplace activities and identify and report faults or problems • report on articles requiring repair • identify and report potential environmental hazards

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Initiative and enterprise	- make suggestions for continuous improvement - provide feedback on procedures - gather and interpret information - inspect quality of dry cleaning articles on an ongoing basis - record basic information on the quality and other indicators of production performance - make suggestions for improvements to work practices - seek opportunities to improve resource efficiency
Planning and organising	- plan work activities - monitor production and work load priorities - identify requirements for materials, chemicals, quality and production - direct articles to the correct area for further processing - identify and use relevant personal protective equipment - identify and monitor resource use in own work - organise work area to maintain housekeeping standards
Self-management	- keep the work area clean and tidy at all times - conduct regular housekeeping activities during shift - conduct work in a manner which minimises waste - interpret data and information as required by own job - monitor own work - understand own work activities - identify personal responsibilities
Learning	- assess own competencies in meeting job requirements - listen to feedback and advice of supervisors - identify own skill requirements and seek skill development if required - attend training or skill development activities - ask questions to expand own knowledge
Technology	- use manual handling technologies in the workplace - set up, operate and adjust machinery - determine machine and equipment loads

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• use machinery to meet productivity requirements
	• perform minor maintenance on machinery
	• work with technology safely and according to workplace standards
	• handle and use chemicals correctly and safely

Packaging Rules

To be awarded the Certificate II in Dry Cleaning Operations, competency must be achieved in thirteen (13) units of competency.

• Six (6) core units of competency
• Seven (7) elective units of competency as specified below.

Note: Where prerequisite units apply, these have been identified, and must be considered in the total number of units.

CORE UNITS
Complete all six (6) units from this list

Unit code	Unit title	Prerequisites
LMTCL2003B	Identify fibres and fabrics	
LMTDC2010A	Identify fabric and garment cleaning requirements	
LMTGN2001B	Follow defined OH&S policies and procedures	
LMTGN2002B	Apply quality standards	
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry	
MSAENV272B	Participate in environmentally sustainable work	

Unit code	Unit title	Prerequisites
	practices	

ELECTIVE UNITS

Select seven (7) units as specified below.

- A minimum of four (4) units must be selected from Group A.
- A maximum of two (2) units may be selected from Group C.
- The remainder must be selected from Groups A and B.
-

GROUP A

Unit code	Unit title
LMTCL2006B	Press work
LMTDC2001A	Provide customer service in a dry cleaning or laundry enterprise
LMTDC2004A	Operate dry cleaning machines
LMTDC2005A	Operate wet cleaning machines
LMTDC2006A	Operate finishing equipment
LMTDC2007A	Receive and sort articles for cleaning
LMTDC2008A	Carry out final inspection of articles
LMTDC2009A	Prepare articles for storage or despatch
LMTDC2011A	Identify pre- and post-spotting requirements
LMTDC2012A	Conduct safe handling of dry cleaning chemicals and solvents

GROUP B

Unit code	Unit title	Prerequisites
LMTCL2001B	Use a sewing machine	
LMTCL2002B	Provide hand sewing and	

Unit code	Unit title	Prerequisites
	finishing support	
LMTCL2004B	Sew components	LMTCL2001B
LMTGN2004B	Work in a team environment	
LMTGN2008B	Coordinate work of team or section	
LMTGN2009B	Operate computing technology in a Textiles, Clothing and Footwear workplace	
MEM07033B	Operate and monitor basic boiler	
MEM07034A	Operate and monitor intermediate class boiler	MEM07033B
MSS402010A	Manage the impact of change on own work	
MSS402001A	Apply competitive systems and practices	
MSS402002A	Sustain process improvements	
MSS402021A	Apply Just in Time procedures	
MSS402030A	Apply cost factors to work practices	
MSS402031A	Interpret product costs in terms of customer requirements	
MSS402040A	Apply 5S procedures	

Unit code	Unit title	Prerequisites
MSS402050A	Monitor process capability	
MSS402060A	Use planning software systems in operations	
MSS402061A	Use SCADA systems in operations	
MSACMT270A	Use sustainable energy practices	
MSS402080A	Undertake root cause analysis	
MSS402081A	Contribute to the application of a proactive maintenance strategy	

GROUP C

Other Dry Cleaning Operations units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Other TCF Training Package units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Units from other endorsed Training Packages and accredited courses that are available at Certificates I (maximum 1 unit), II (maximum 2 units) and III (maximum 1 unit)

LMT21607 Certificate II in Technical Textiles and Non-wovens

Modification History

Release 2 - imported units updated to current versions, outcomes equivalent.

Description

Job roles/employment outcomes
Certificate II reflects vocational outcomes for those performing a range of technical and operational tasks within a production oriented work environment in a technical textile and non-woven manufacturing enterprise. Some multi-skilled roles can be accommodated in this qualification.

Application
This qualification is typically used to develop skill and knowledge in the operations of technical textile and non-woven production enterprises. Work is generally supervised.

Pathways Information

Pathways into the qualification
Direct entry into this qualification requires completion of a total of thirteen (13) units of competency according to the rules described below.
Units that have been achieved through completion of the LMT11107 Certificate I in Textiles Clothing and Footwear may be credited towards the Certificate II when they are also included in the unit lists for this qualification.

Pathways from the qualification
Further training pathways from this qualification include LMT31807 Certificate III in Technical Textiles and Non-wovens.

Licensing/Regulatory Information

There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements in some environments. Local regulations should be checked for details.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skills Summary - **Certificate II in Technical Textiles and Non-wovens**	
The following table contains a summary of the Employability Skills as identified by the technical textile and non-woven industries 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 reflect skill requirements for this level.	
Employability Skill	**Industry/enterprise requirements for this qualification include**:
Communication	• complete written documentation and job tickets • use communication technologies efficiently • demonstrate effective and appropriate communication and interpersonal skills • interpret and apply workplace procedures and instructions • share workplace information • communicate information about problems with production work • read and understand job specifications • communicate information relating to OHS
Teamwork	• work independently or as part of a team • provide support to others in the work area • identify performance required to meet customer needs in own work and/or team • identify own role and responsibility within a team
Problem-solving	• identify and report any workplace hazards • identify production problems and make contributions to their solution • apply knowledge of materials, product purpose and processes to operations • check machine performance and identify signs of faulty operations • use material and process knowledge to solve problems • monitor workplace activities and identify and report faults or problems

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

	• recognise hazards and follow appropriate hazard control measures • identify and report potential environmental hazards
Initiative and enterprise	• provide feedback on procedures and processes • gather and interpret information • ask questions regarding requirements and expectations • make suggestions for continuous improvement • inspect quality of production on an ongoing basis • record basic information on the quality and other indicators of production performance
Planning and organising	• plan work activities • monitor production and work load priorities • select appropriate tools • identify requirements for materials, quality and production • identify and monitor resource use in own work • direct items to the correct area for further processing • identify and use relevant personal protective equipment • organise work area to maintain housekeeping standards
Self-management	• plan to meet own work requirements • keep the work area clean and tidy at all times • conduct regular housekeeping activities • interpret data and information as required by own job • monitor own work • conduct work in a manner which minimises waste • understand own work activities • identify personal responsibilities • accept responsibility for quality of own work • follow OHS practices during the production and manufacturing of production products
Learning	• assess own competencies in meeting job requirements • listen to feedback and advice of supervisors • identify own skill requirements and seek skill development if required

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• attend training or skill development activities • ask questions to expand own knowledge
Technology	• use appropriate tools, machines and equipment safely and effectively • use machinery to meet productivity requirements • perform minor maintenance on machinery in accordance with workplace practice • use manual handling technologies in the workplace • set up and adjust machinery and equipment

Packaging Rules

To be awarded the Certificate II in Technical Textiles and Non-wovens, competency must be achieved in thirteen (13) units of competency.

- Four (4) core units of competency
- Nine (9) elective units of competency as specified below.

Note: Where prerequisite units apply, these have been noted, and must be considered in the total number of units.

CORE UNITS
Complete all four (4) units from this list

Unit code	Unit title
LMTGN2001B	Follow defined OH&S policies and procedures
LMTGN2002B	Apply quality standards
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry
MSAENV272B	Participate in environmentally sustainable work practices

ELECTIVE UNITS
Select nine (9) units as specified below.

- A minimum of two (2) units must be selected from Group A
- A maximum of one (1) unit may be selected from Group C
- A maximum of two (2) units may be selected from Group D
- The remainder must be selected from Groups A and B.

GROUP A

Unit code	Unit title	Prerequisites
LMTTN2001B	Set up and operate a dry laid web forming machine	
LMTTN2002B	Set up and operate a spun bond web forming machine	
LMTTN2003B	Use basic recognition techniques to identify technical and nonwoven textiles	
LMTTN2004B	Undertake web bonding processes	
LMTTN2005B	Undertake web conversion and finishing	
LMTTN2006B	Identify purpose and performance outcomes of technical textile product	LMTTN2003B
LMTTN2007B	Conduct technical textile mechanical finishing processes	
LMTTN2008B	Conduct heat setting on technical textiles	
LMTTN2009B	Apply surface coating to technical textiles	
LMTTN2010B	Apply laminations and fusible interlinings to technical textiles	
LMTTN2011B	Undertake fibre blending and feeding for nonwoven technical production	

Unit code	Unit title	Prerequisites
	processes	

GROUP B

Unit code	Unit title	Prerequisites
LMTGN2004B	Work in a team environment	
LMTGN2005B	Perform minor maintenance	
LMTGN2006B	Perform test or inspection to check product quality	
LMTGN2007B	Select, transfer and remove materials and products	
LMTGN2008B	Coordinate work of team or section	
LMTGN2009B	Operate computing technology in a Textiles, Clothing and Footwear workplace	
LMTGN2010B	Perform tasks to support production	
LMTTX2001B	Identify fibres, yarns and textile materials and their uses in textile production	
LMTTX2002B	Prepare yarn for textile manufacturing	
LMTTX2003B	Perform spinning operations	
LMTTX2005B	Perform creeling	

Unit code	Unit title	Prerequisites
	operations	
LMTTX2006B	Operate a weaving loom	
LMTTX2007B	Perform knitting operations	
LMTTX2009B	Weigh and check textile materials and products	
LMTTX2010B	Load and operate dyeing equipment	
LMTTX2011B	Repair textile product	
LMTTX2012B	Perform industrial sewing on textile products	
LMTTX2013B	Conduct packaging or folding for textile production	
LMTTX2014B	Use specialised machinery to assist textile production	
LMTTX2019B	Undertake carding operations	

GROUP C

Unit code	Unit title	Prerequisites
MSS402010A	Manage the impact of change on own work	
MSS402001A	Apply competitive systems and practices	

Unit code	Unit title	Prerequisites
MSS402002A	Sustain process improvements	
MSS402020A	Apply quick changeover procedures	
MSS402021A	Apply Just in Time procedures	
MSS402030A	Apply cost factors to work practices	
MSS402031A	Interpret product costs in terms of customer requirements	
MSS402040A	Apply 5S procedures	
MSS402050A	Monitor process capability	
MSS402060A	Use planning software systems in operations	
MSS402061A	Use SCADA systems in operations	
MSACMT270A	Use sustainable energy practices	
MSS402080A	Undertake root cause analysis	
MSS402081A	Contribute to the application of a proactive maintenance	

Unit code	Unit title	Prerequisites
	strategy	

GROUP D

Other Technical Textiles and Non-wovens units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Other TCF Training Package units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)

Units from other endorsed Training Packages and accredited courses that are available at Certificates I (maximum 1 unit), II (maximum 2 units) and III (maximum 1 unit)

LMT21707 Certificate II in Applied Fashion Design and Technology

Modification History

Not applicable.

Description

Job roles/employment outcomes

This qualification aims to give students an introductory overview of fashion design. It also includes a series of units targeted at the unique fashion and textile designs used in indigenous Australian culture.

Application

The qualification is designed for application in a highly supervised context such as VET in schools, or other equivalent introduction to fashion industry environments.

If a greater focus on sewing and other technical skills is required then Certificate II in Clothing Production (Intermediate) should be considered.

Pathways into the qualification

Direct entry into this requires completion of a total of eleven (11) units according to the rules described below.

Units that have been achieved through completion of the LMT11107 Certificate I in Textiles Clothing and Footwear may be credited towards the Certificate II when they are also included in the unit lists for this qualification.

This qualification includes units LMTFD2002B, LMTFD2003B and LMTFD2004B which, when selected, must be applied in an indigenous Australian context.

Pathways from the qualification

Further training pathways from this qualification include LMT301407 Certificate III in Applied Fashion Design and Technology.

Licensing considerations

There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements in some environments. Local regulations should be checked for details.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skills Summary - Certificate II in Applied Fashion Design and Technology The following table contains a summary of the Employability Skills as identified by the fashion design industries 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 reflect skill requirements for this level.	
Employability Skill	**Industry/enterprise requirements for this qualification include**:
Communication	• discuss design and production requirements with others • complete standard documentation • demonstrate effective and appropriate communication skills • follow work instructions and pattern information • read and apply relevant safety information and procedures
Teamwork	• work independently or as part of a team • undertake appropriate and effective communication with team members or supervisors • identify performance required to achieve outcomes
Problem-solving	• identify risks associated with tools and equipment • report hazards • determine requirements in own work to meet quality standards • recognise and report problems and faults with materials, machinery or processes • identify and report potential environmental hazards
Initiative and enterprise	• identify and recommend improvements to own work processes • report problems outside area of responsibility • provide input to design processes
Planning and organising	• plan work requirements • follow schedules and monitor operations • recognise hazards and follow appropriate hazard

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	control measures
	• follow production sequences for a given process or product
	• identify and monitor resource use in own work
	• identify production and resource requirements
	• prepare materials for work
Self-management	• keep the work area clean and tidy at all times
	• conduct regular housekeeping activities
	• interpret data and information relevant to own work operations
	• monitor own work to ensure quality standards are achieved
	• understand own work activities and ask questions if required
	• apply safety procedures, including the use of protective equipment
	• identify and follow production schedules, pattern requirements and work load priorities
	• conduct work in a manner which minimises waste
	• follow machine operation instructions
Learning	• ask questions to expand own understanding of work processes or requirements
	• demonstrate listening skills
	• identify own skill requirements and seek skill development if required
	• access operator manuals to assist own learning
Technology	• operate machines, tools and equipment
	• work with technology safely and according to workplace standards

Packaging Rules

Packaging Rules

To be awarded the Certificate II in Applied Fashion Design and Technology, competency must be achieved in eleven (11) units of competency.

- Seven (7) core units of competency
- Four (4) elective units of competency as specified below.

Note: Where prerequisite units apply, these have been noted, and must be considered in the total number of units.

CORE UNITS

Complete all seven (7) units from this list

Unit code	Unit title
LMTCL2001B	Use a sewing machine
LMTCL2003B	Identify fibres and fabrics
LMTFD2001B	Design and produce a simple garment
LMTFD2005B	Identify design process for fashion designs
LMTGN2001B	Follow defined OH&S policies and procedures
LMTGN2002B	Apply quality standards
MSAENV272B	Participate in environmentally sustainable work practices

ELECTIVE UNITS

Select four (4) units as specified below.

- A minimum of two (2) units must be selected from Group A
- A maximum of two (2) units may be selected from Group B
- The remainder must be selected from Group A.
-

GROUP A

Unit code	Unit title	Prerequisites
LMTCL2004B	Sew components	LMTCL2001B
LMTCL2010B	Modify patterns to create	

Unit code	Unit title	Prerequisites
	basic styles	
LMTCL2011B	Draw and interpret a basic sketch	
LMTFD2002B	Apply printing techniques to produce indigenous textile designs	LMTCL2003B
LMTFD2003B	Apply dyeing techniques to produce indigenous textile designs	LMTCL2003B
LMTFD2004B	Work within an indigenous cultural framework	
LMTGN2003B	Work in the Textiles, Clothing and Footwear industry	
LMTGN2009B	Operate computing technology in a Textiles, Clothing and Footwear workplace	

GROUP B

Other Applied Fashion Design and Technology units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)
Other TCF Training Package units that are available at Certificates II (maximum 2 units) and III (maximum 1 unit)
Units from other endorsed Training Packages and accredited courses that are available at Certificates I (maximum 1 unit), II (maximum 2 units) and III (maximum 1 unit)

MSA10107 Certificate I in Manufacturing (Pathways)

Modification History

Release 2 - imported LMF units superseded and replaced with equivalent MSF units

Description

The Certificate I in Industry (Pathways) is designed to develop both skills that are essential for employment and skills that relate directly to a **work activity as specified in the core technical unit**. The units chosen **must** provide practical skills that are relevant and useful to the area in which the person hopes to gain employment or is currently working. The group of units should be chosen to support the project and should incorporate both the technical and employability skills needed for work.

Completion of a *Certificate I in Manufacturing* (*Pathways*) should provide the student with a set of competencies that collectively open up pathways into employment and/or further study.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
MSA10107 Certificate I in Manufacturing (**Pathways**) The following table contains a summary of the Employability Skills required for this qualification. The Employability Skills facets described here are broad industry requirements that may vary depending on qualification packaging options.	
Employability Skill	**Industry/enterprise requirements for this qualification include**:
Communication	• complete all reporting as required • report anything unusual • alert the appropriate individuals • record results • complete logs and reports • record the result • receive and relay oral and written messages • interpret oral or written messages • respond to information • complete workplace forms
Teamwork	• working as part of a work team • role of individual in organisational structure • individual role in achieving section/team, plant and company objectives • work in a team • identify individual tasks that are part of the team requirement
Problem solving	• recognise common problems • identify problems and take required action • respond to routine problems
Initiative and enterprise	• take appropriate corrective action • select appropriate equipment • identify units to be used • distinguish between urgent and non-urgent tasks
Planning and organising	• organise relevant equipment and tools • organise requests and tasks • planning workplace procedures, scheduling and performance

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• plan own work • plan and organise activities • organise daily work plan
Self-management	• find out what is required for the job • recognise a situation requiring action • implement within appropriate time constraints • complete own work activities • identify task requirements and work role • plan own work • meet time lines • seek assistance from other team members where appropriate
Learning	• recognise anything unusual • self-check numerical information • clarify cleaning duties • ask questions of appropriate person • seek advice from relevant personnel
Technology	• use equipment • turn equipment on and off as required by procedures • monitor equipment • make measurements • use computer system • use measuring devices

Packaging Rules

To be awarded a Certificate I in Manufacturing (Pathways), competency must be achieved in **nine** (**9**) units of competency:

- **three** (**3**) core units of competency
- **six** (**6**) elective units of competency, three (3) of which may be selected from this Training Package, other endorsed Training Packages and accredited courses, as specified below.

*Note that the industry/technical units coded MSAPCII are designed for use only in a Pathways qualification or skills set. They should not be used in other instances as replacements for units that have direct job outcomes.

Core units of competency
Select all **three** (**3**) units from the following list.

Unit code	Unit title
MSAPCI101A	Adapt to work requirements in industry
MSAPCI102A	Apply effective work practices
MSAPCI103A	Demonstrate care and apply safe practices at work

Elective units of competency

Group A - **Industry/technical units***
Select a maximum of **one** (**1**) unit from the following list.

Unit code	Unit title
MSAPCII296A	Make a small furniture item from timber
MSAPCII297A	Make an object from cloth using an existing pattern
MSAPCII298A	Make an object from metal
MSAPCII299A	Make an object from plastic

Group B - **Other elective units**
Select **five** (**5**) units from the following list.

Unit code	Unit title
MSFFM1002	Operate basic woodworking machines
MSFFM2001	Use furniture making sector hand and power tools
MSFFM2002	Assemble furnishing components
MSFFM2003	Select and apply hardware
MSFFM2005	Join solid timber
MSFSF1001	Produce basic soft furnishings accessories

MSFSF2001	Cut single layer fabrics
LMTCL2001B	Use a sewing machine
LMTCL2003B	Identify fibres and fabrics
LMTCL2006B	Press work
LMTCL2007B	Lay up, mark and cut uncomplicated fabrics and lays
LMTCL2008B	Finish garment production
MEM03001B	Perform manual production assembly
MEM05007C	Perform manual heating and thermal cutting
MEM05012C	Perform routine manual metal arc welding
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations
MSAPMOPS100A	Use equipment
MSAPMOPS101A	Make measurements
MSAPMOPS102A	Perform tasks to support production
MSAPMOPS244A	Layout and cut materials
PMBFIN201C	Finish products and components
PMBFIN205C	Hand decorate products
PMBPREP205C	Assemble materials and equipment for production
PMBPREP206C	Prepare materials to formulae
PMBPROD236C	Operate hand held air/power equipment for production processes
PMBPROD240C	Cut materials

A maximum of three (3) relevant units can be selected from this Training Package,

other endorsed Training Packages and accredited courses, where those units are available for inclusion at Certificate I or II.

The elective unit(s) from another Training Package must relate to the core function/role of the selected industry/technical unit.

MSA10207 Certificate I in Process Manufacturing

Modification History

Not applicable.

Description

The Certificate I in Process Manufacturing is intended for entry to the industry and addresses job outcomes at this level. It has been developed as a common certificate for use across the three process manufacturing sectors:

- chemical, hydrocarbons and oil refining
- plastics, rubber and cablemaking
- manufactured mineral products.
-

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

MSA10207 Certificate I in Process Manufacturing

The following table contains a summary of the Employability Skills required by the process manufacturing industries for this qualification. The Employability Skills facets described here are broad industry requirements that may vary depending on qualification packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	• complete all reporting as required • report anything unusual • receive and relay oral and written messages • interpret oral or written messages • respond to information
Teamwork	• work as part of a work team • understanding the role of individual in organisational structure • understanding individual role in achieving section/team, plant and company objectives • identify individual tasks that are part of the team requirement
Problem solving	• recognise common problems • identify problems and take required action • respond to routine problems
Initiative and enterprise	• take appropriate corrective action • select appropriate equipment • identify units to be used • distinguish between urgent and non-urgent tasks
Planning and organising	• organise relevant equipment and tools • organise requests and tasks • plan own work • plan and organise activities • organise daily work plan
Self-management	• find out what is required for the job • recognise a situation requiring action • complete own work activities • identify task requirements and work role

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• plan own work
	• meet time lines
	• seek assistance from other team members where appropriate
Learning	• recognise anything unusual
	• self-check numerical information
	• clarify cleaning duties
	• ask questions of appropriate person
	• seek advice from relevant personnel
Technology	• use equipment
	• turn equipment on and off as required by procedures
	• monitor equipment
	• use computer system

Packaging Rules

Packaging Rules
To be awarded the Certificate I in Process Manufacturing, competency must be achieved in
seven (**7**) units of competency.

- **three** (**3**) core units of competency
- **four** (**4**) elective units of competency, **two** (**2**) of which may be selected from this
  Training Package, other endorsed Training Packages and accredited courses, as specified
  below.
-

Core units of competency

- Select all **three** (**3**) units from the following list:

Unit code	Unit title
MSAPMOHS100A	Follow OHS procedures
MSAPMSUP100A	Apply workplace procedures
MSAPMSUP102A	Communicate in the workplace

Elective units of competency

- Select **four** (**4**) units from the following list:

Unit code	Unit title
MSAPMOHS110A	Follow emergency response procedures
MSAPMOPS100A	Use equipment
MSAPMOPS101A	Make measurements
MSAPMOPS102A	Perform tasks to support production
MSAPMSUP101A	Clean workplace or equipment
MSAPMSUP106A	Work in a team
MSAPMSUP172A	Identify and minimise environmental hazards
PMBHAN103C	Shift materials safely by hand

- Up to two (2) relevant units may be chosen from this Training Package, other endorsed Training Packages and accredited courses, where those units are available for inclusion at Certificate I.
- A maximum of one (1) unit may be chosen from units available at MSA20107 Certificate II in Process Manufacturing.

MSA20107 Certificate II in Process Manufacturing

Modification History

Release 5 - Imported unit code updated to current release
Release 4 - Imported unit code updated.
Release 3 - MSACM units replaced by MSS units from MSS11v2 Sustainability Training Package.
Release 2 - Imported unit codes updated.

Description

The Certificate II in Process Manufacturing is intended for competent production workers who undertake vital production support roles directly related to producing products. The production worker would apply a breadth and depth of knowledge to a defined range of situations and would be expected to apply this knowledge to solve a defined range of problems by applying known solutions to a limited range of predictable problems.

This qualification has been developed for use across the three process manufacturing sectors:

- chemical, hydrocarbons and refining
- plastics, rubber and cablemaking
- manufactured mineral products.

Licensing considerations
There are no specific licenses that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements depending on the work context. Local regulations should be checked for details.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
MSA20107 Certificate II in Process Manufacturing The following table contains a summary of the Employability Skills required by the process manufacturing industries for this qualification. The Employability Skills facets described here are broad industry requirements that may vary depending on qualification packaging options. Due to the high proportion of electives required by this qualification, the industry/enterprise requirements described for each Employability Skill are representative of the industry in general and may not reflect specific job roles. Learning and assessment strategies for this qualification should be based on the requirements of the units of competency for this qualification.	
Employability Skill	**Industry/enterprise requirements for this qualification include**:
Communication	• complete logs, reports and plant documentation • access and interpret production plans and information • provide appropriate workplace information • give and follow routine instructions • provide written and oral reports
Teamwork	• work as part of a team • identify and describe own role and role of others • identify own role and responsibility within a team
Problem solving	• recognise known faults that occur during the operation • identify and take action on causes of routine faults • identify non-routine process and quality problems and take appropriate action • respond to routine problems
Initiative and enterprise	• suggest improvements • make adjustments to improve equipment performance • determine problems needing action • report problems outside area of responsibility • raise questions regarding requirements and expectations • distinguish between causes of faults • identify product out of specification • safely shutdown equipment in abnormal circumstances

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Planning and organising	• plan own work • achieve production targets • identify production targets • recognise hazards and follow appropriate hazard control methods
Self-management	• identify work requirements • plan own work requirements from production requests • operate within appropriate time constraints and work standards • select and use appropriate equipment, materials, processes and procedures • identify task outcomes and work role
Learning	• ask questions to gain information • seek clarification • participate in improvement procedures
Technology	• check process is operating within required limits • monitor equipment operation • use appropriate instruments • monitor and adjust machine functions • use forklift controls, instruments and indicators • carry out pre-operational checks on equipment

Packaging Rules

Packaging Rules
To be awarded the Certificate II in Process Manufacturing, competency must be achieved in **fourteen** (**14**) units of competency:

- **three** (**3**) core units of competency
- **eleven** (**11**) elective units of competency, four (4) of which can be selected from this Training Package, other endorsed Training Packages and accredited courses, as specified below.

Note: Units marked with an asterisk have one or more prerequisite requirements. The prerequisites for these units are to be counted in the total number of units required in the elective group. Please refer to individual units for details.

Core units of competency

- Complete all **three** (**3**) units of competency from this list.

Unit code	Unit title
MSAENV272B	Participate in environmentally sustainable work practices
MSAPMOHS200A	Work safely
MSAPMSUP210A	Process and record information

Group A - **Elective units**

- Select a minimum of **eleven** (**11**) units of competency from the following list.

Support units		
Unit code	**Unit title**	**Prerequisites**
LMTGN2008B	Coordinate work of team/section	
MEM13003B	Work safely with industrial chemicals and materials	
MEM16006A	Organise and communicate information	
MEM16007A	Work with others in a manufacturing, engineering or related environment	
MEM16008A	Interact with computing technology	
MEM18001C	Use hand tools	
MEM18002B	Use power tools/hand held operations	
MSS402002A	Sustain process improvements	
MSS402020A	Apply quick changeover procedures	
MSS402021A	Apply Just in Time (JIT) procedures	
MSS402030A	Apply cost factors to work practices	

Support units		
MSS402040A	Apply 5S procedures	
MSS402050A	Monitor process capability	
MSS402051A	Apply quality standards	
MSS402060A	Use planning software systems in operations	
MSS402080A	Undertake root cause analysis	
MSAPMOHS100A	Follow OHS procedures	
MSAPMOHS110A	Follow emergency response procedures	
MSAPMOHS205A	Control minor incidents	
MSAPMOHS210B	Undertake first response to non-fire incidents	
MSAPMOHS212A	Undertake first response to fire incidents	
MSAPMOHS216A	Operate breathing apparatus	
MSAPMOHS217A	Gas test atmospheres	
MSAPMOHS220A	Provide initial first aid response	
MSAPMOPS100A	Use equipment	
MSAPMOPS101A	Make measurements	
MSAPMOPS102A	Perform tasks to support production	
MSAPMPER200C	Work in accordance with an issued permit	
MSAPMPER201A	Monitor and control work permits	
MSAPMPER202A	Observe permit work	*
MSAPMPER205C	Enter confined space	*
MSAPMSUP100A	Apply workplace procedures	
MSAPMSUP101A	Clean workplace or equipment	

Support units		
MSAPMSUP102A	Communicate in the workplace	
MSAPMSUP106A	Work in a team	
MSAPMSUP172A	Identify and minimise environmental hazards	
MSAPMSUP201A	Receive or despatch goods	
MSAPMSUP200A	Achieve work outcomes	
MSAPMSUP204A	Pack products or materials	
MSAPMSUP205A	Transfer loads	
MSAPMSUP230A	Monitor process operations	
MSAPMSUP240A	Undertake minor maintenance	
MSAPMSUP273A	Handle goods	
MSAPMSUP280A	Manage conflict at work	
MSAPMSUP291A	Participate in continuous improvement	
MSAPMSUP292A	Sample and test materials and product	
PMBHAN103C	Shift materials safely by hand	
TLID2010A	Operate a forklift	
RIIRIS201B	Conduct local risk control	
Technical units		
FPICOT2238A	Cut materials with a hand-held chainsaw	
MSAPMOPS200A	Operate equipment	
MSAPMOPS212A	Use enterprise computers or data systems	
A maximum of four (4) relevant units may be selected from this Training Package, other endorsed Training Packages and accredited courses, where those units are available for inclusion at Certificate II or III. Note: a maximum of two (2) units may be chosen from Certificate III.		

MSA20208 Certificate II in Manufacturing Technology

Modification History

Version 2 - MSACM units replaced by MSS units from MSS11v2 Sustainability Training Package.

Description

This qualification applies to a learning and assessment environment where access to normal production operations is not available. A typical environment will be for application in a VET in Schools delivery environment or other simulated or trial manufacturing environment where a high degree of supervision exists. The units are suitable for delivery in a school environment and for schools to contextualize the units to local manufacturing industry activities.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
MSA20208 Certificate II in Manufacturing Technology The following table contains a summary of the employability skills as identified by industry 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 reflect skill requirements for this level.	
Employability Skill	**Industry/enterprise requirements for this qualification include**:
Communication	• Access and interpret standardised documentation • Complete all reporting as required • Ask questions to increase understanding about workplace procedures • Read and interpret instructions • Respond to information • Access and use communication tools and equipment • Apply numeracy skills to work procedures
Teamwork	• Work effectively with others • Share information with peers • Understand role of individual within team process • Seek assistance with work operations as required
Problem-solving	• Recognise common problems and report inconsistencies • Monitor the job and make improvements • Respond to routine problems • Recommend improvements
Initiative and enterprise	• Take correct action and follow procedures • Recommend changes and improvements • Take action to make improvements • Adopt changes in accordance with procedures
Planning and organising	• Plan own work • Organise processes, tools and materials • Monitor own work outcomes • Organise and plan activities • Collect and organise information for work activity

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Self-management	• Conduct all activities according to safety standards • Maintain housekeeping standards • Achieve planned outcomes within time constraints • Monitor own work performance • Assess own work • Seek assistance where appropriate
Learning	• Ask questions to aid learning • Identify own skill requirements • Ask questions to ensure understanding of own work requirements
Technology	• Use equipment and/or or information technology • Identify equipment appropriate for job • Use simple measuring devices • Collect and apply data and information from technology

Packaging Rules

Packaging Rules
To be awarded a Certificate II in Manufacturing Technology, competency must be achieved in **ten** (**10**) units of competency:

- **five** (**5**) core units of competency
- **five** (**5**) elective units of competency, chosen as described below.

Core units
All **five (5)** of the following units must be completed.

Unit code	Unit title
MSAENV272B	Participate in environmentally sustainable work practices
MSAPMOHS200A	Work safely
MSS402001A	Apply competitive systems and practices
MSS402051A	Apply quality standards

Unit code	Unit title
MSS402080A	Undertake root cause analysis

Elective units
Select **five** (**5**) elective units from Groups A, B and C, as described below.

Group A - **Manufacturing practice**
At least one (1) of the following units must be completed but up to four (4) may be selected.

Unit code	Unit title
MSS402002A	Sustain process improvements
MSS402010A	Manage the impact of change on own work
MSS402031A	Interpret product costs in terms of customer requirements
MSS402050A	Monitor process capability

Group B - **Manufacturing Technology***
At least one (1) of the following units must be completed but up to four (4) may be selected.

Unit code	Unit title
MSAPCII295A	Operate manufacturing equipment
MSAPCII296A	Make a small furniture item from timber
MSAPCII297A	Make an object from cloth using an existing pattern
MSAPCII298A	Make an object from metal
MSAPCII299A	Make an object from plastic

Group C
Up to **two** (**2**) elective units can be chosen from other qualifications in this Training Package, other endorsed Training Packages and accredited courses where those units are available at Certificate I or II.

*Note that the manufacturing technology units listed above (coded MSAPCII) have been specifically developed for the Certificate II in Manufacturing Technology. They are designed for use only in a Pathways qualification or Skill Set. They should not be used in other instances as replacements for units that have direct job outcomes.

MSA20510 Certificate II in Recreational Vehicle Service and Repair

Modification History

Release 5 - Imported elective unit updated to current release.
Release 4 - AU imported units updated. Prerequisites replaced by an asterisk. Equivalent.
Release 3 - MSACM units replaced by MSS units from MSSv2 Sustainability Training Package. Imported unit codes updated.
Release 2 - Group B elective units corrected due to a transfer error.

Description

This qualification covers the skills and knowledge required to perform the wide range of service and repair tasks performed on recreational vehicles.

Job roles/employment outcomes

The Certificate II in Recreational Vehicle Service and Repair has been developed as an entry level qualification for use in MSA07 Manufacturing Training Package. This qualification has been developed in response to an industry request. People with this qualification would be expected to work under supervision servicing and repairing recreational vehicles, including:

- motor homes
- caravans
- camper trailers
- slide-ons
- fifth wheelers

to meet Australian requirements, such as road worthiness and the Australian Design Rule (ADR).

They may work in a service and repair facility or a manufacturer's factory undertaking warranty work. Work may be for an insurance claim, modifying an existing recreational vehicle or undertaking routine servicing.

Application

The sector typically services and repairs any recreational vehicle as required. This may apply to the recreational vehicle body, fittings and running gear. It may be in response to a road (or other) accident, hail damage, vehicle modification or routine servicing. They may also specify and access outside specialist services, for example, for spray painting or licence requirements.

Recreational vehicles may be made from a frame (timber, aluminium or steel) and skin (aluminium or fibre composite) or a manufactured wall panel or some other technology. They are typically mounted on a steel chassis. Fittings are typically timber/particle board but may be any other suitable material.

People with this qualification may be expected to:

- carry out insurance repair
- carry out other repairs
- work under warranty
- undertake modifications/refits to the recreational vehicle
- undertake routine servicing
- prepare a recreational vehicle for sale/resale.

This work will generally be undertaken in a workshop environment.

Training programs for this qualification are suitable to be undertaken as part of a formal training contract with an employer under an Australian Traineeship or Apprenticeship arrangement.

Pathways into the qualification
This qualification may be accessed by direct entry.
The units of competency contained within this qualification are common with other qualifications and credit should be granted towards this qualification where competency has already been achieved.
Credit should also be granted towards this qualification where competency has been achieved in units of competency contained within relevant skill sets.
The units of competency in this qualification reflect competencies which are practiced within the industry and recognition of prior learning (RPL) should be granted where there is sufficient evidence of competency from work-based experience.

Pathways from the qualification
Further qualification pathways from this qualification include MSA30510 Certificate III in Recreational Vehicle Service and Repair.

Additional qualification advice
MSA21108 Certificate II in Competitive Manufacturing and MSA30107 Certificate III in Process Manufacturing are available for team leaders or others who need a more generalist qualification covering the application of good manufacturing practice and lean principles.

Licensing considerations
Units of competency in this qualification provide the underpinning knowledge and skills for various required licenses. Local regulations should be checked for details.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skill	**Industry/enterprise requirements for this qualification**
Communication	• Accessing and interpreting standardised documentation • Completing all reporting as required • Asking questions to increase understanding about workplace procedures • Reading and interpreting instructions • Responding to information • Accessing and using communication tools and equipment • Applying numeracy skills to work procedures
Teamwork	• Working effectively with others • Sharing information with peers • Understanding role of individual within team process • Seeking assistance with work operations as required
Problem solving	• Recognising common problems and reporting inconsistencies • Monitoring the job and making improvements • Responding to routine problems • Recommending improvements
Initiative and enterprise	• Taking correct action and following procedures • Recommending changes and improvements • Taking action to make improvements • Adopting changes in accordance with procedures
Planning and organising	• Planning own work • Organising processes, tools and materials • Monitoring own work outcomes • Organising and planning activities • Collecting and organising information for work activity
Self-management	• Conducting all activities according to safety standards • Maintaining housekeeping standards • Achieving planned outcomes within time constraints • Monitoring own work performance • Assessing own work • Seeking assistance where appropriate
Learning	• Asking questions to aid learning • Identifying own skill requirements

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• Asking questions to ensure understanding of own work requirements
Technology	• Using equipment and/or information technology • Identifying equipment appropriate for job • Using simple measuring devices • Collecting and applying data and information from technology

Packaging Rules

Packaging Rules
To be awarded the Certificate II in Recreational Vehicle Service and Repair competency must be achieved in **fourteen** (**14**) units of competency:

- **three** (**3**) core units of competency
- **eleven** (**11**) elective units of competency, as specified below:

  - a minimum of **seven** (**7**) units of competency must be selected from Group A
  - the balance of units, to a maximum of **four** (**4**), may be selected from:
- units of competency not previously selected from Group A
- Group B units of competency listed.

Note: Up to **four** (**4**) elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, as specified in Groups A and B.

Note: Where prerequisite units are identified, they must be counted in the total number of units required for completion of the qualification.

Core units of competency

Unit code	Unit title	Prerequisites
MSAENV272B	Participate in environmentally sustainable work practices	
MSAPMOHS200A	Work safely	
MSAPMSUP102A	Communicate in the workplace	

Elective units of competency

Group A

Unit code	Unit title	Prerequisites
AUMGTT001	Apply trim to vehicle components	
AURETR2015	Inspect and service batteries	
AURETR2012	Test and repair basic electrical circuits	
AURETR2010	Fabricate, test and repair wiring harnesses and looms	
AURETB3001	Repair electric braking systems	
AURTTB2001	Inspect and service braking systems	
AURTTD2004	Inspect and service suspension systems	
AURTTJ2002	Remove and refit wheel hubs and associated brake components	
AURTTA3017	Carry out vehicle safety and roadworthy inspection	
AURVTN2005	Remove and fit protector mouldings, transfers and decals	
AURVTP2007	Apply paint touch-up techniques	
AURVTS3004	Repair fibreglass and composite material components	
AURTTY3001	Repair chassis, frame and associated components	
AURVTT3015	Fabricate canvas products	
AURVTT3016	Fabricate frame structures	
AURVTT3019	Fabricate and install canopies and curtains	
AURVTG3011	Install side windows	

Unit code	Unit title	Prerequisites
MEM05005B	Carry out mechanical cutting	*
MEM05012C	Perform routine manual metal arc welding	
MEM05050B	Perform routine gas metal arc welding	
MEM10002B	Terminate and connect electrical wiring	*
MEM12002B	Perform electrical/electronic measurement	
MEM12023A	Perform engineering measurements	
MEM18001C	Use hand tools	
MEM18002B	Use power tools/hand held operations	
MEM18038B	Maintain wheels and tyres	*
MEM18045B	Fault find/repair electrical equipment/components up to 250 volts single phase supply	*
MSAPMOPS101A	Make measurements	
MSARVS202A	Repair/service LP gas systems in a recreational vehicle	
Up to **two** (**2**) relevant elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, where they are available for inclusion at Certificate II.		

Group B

Unit code	Unit title	Prerequisites
MEM09002B	Interpret technical drawing	
MEM11011B	Undertake manual handling	
MEM14004A	Plan to undertake a routine task	
MEM15024A	Apply quality procedures	

Unit code	Unit title	Prerequisites
MSS402021A	Apply Just in Time procedures	
MSS402040A	Apply 5S procedures	
MSS402080A	Undertake root cause analysis	
MSAPMOHS220A	Provide initial first aid response	
MSAPMOPS212A	Use enterprise computers or data systems	
MSAPMSUP100A	Apply workplace procedures	
MSAPMSUP101A	Clean workplace or equipment	
MSAPMSUP106A	Work in a team	
MSAPMSUP280A	Manage conflict at work	
MSAPMSUP291A	Participate in continuous improvement	
MSARVS301A	Develop and update caravan industry knowledge	
MSARVG201A	Tow a recreational vehicle safely	
MSARVT201A	Apply technical knowledge of recreational vehicle manufacturing to work activities	
SIRXSLS002A	Advise on products and services	
TLID2010A	Operate a forklift	
UEGNSG604B	Fill gas cylinders	
Up to two (2) relevant elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, where they are available for inclusion at Certificate II.		

MSA20610 Certificate II in Recreational Vehicle Manufacture

Modification History

Release 5 - Imported elective unit updated to current release.
Release 4 - AU imported units updated. Prerequisites replaced by an asterisk. Equivalent.
Release 3 - MSACM units replaced by MSS units from MSS11v2 Sustainability Training Package.
Release - Imported unit codes updated.

Description

This qualification covers the skills and knowledge required to perform the wide range of tasks performed in the manufacture of recreational vehicles.

Job roles/employment outcomes
The Certificate II in Recreational Vehicle Manufacture has been developed as an entry level qualification for use in MSA07 Manufacturing Training Package. This qualification has been developed in response to an industry request. People with this qualification would be expected to work under supervision manufacturing recreational vehicles, including:

- motor homes
- caravans
- camper trailers
- slide-ons
- fifth wheelers

to meet Australian requirements, such as road worthiness and the Australian Design Rule (ADR).

They may work in a large manufacturing organisation or a smaller workshop.

Application
The sector typically manufactures recreational vehicles as required. This may include special/custom orders or standard manufacturer models. They may also specify and access outside specialist services, for example, for spray painting or licence requirements.

Recreational vehicles may be made from a frame (timber, aluminium or steel) and skin (aluminium or fibre composite) or a manufactured wall panel or some other technology. They are typically mounted on a steel chassis. Fittings are typically timber/particle board but may be any other suitable material.

People with this qualification may be expected to:

- carry out the various stages in recreational vehicle manufacture
- undertake modifications/refits to a recreational vehicle
- prepare a recreational vehicle for sale.

This work will generally be undertaken in a factory or workshop environment.

Training programs for this qualification are suitable to be undertaken as part of a formal training contract with an employer under an Australian Traineeship or Apprenticeship arrangement.

Pathways into the qualification
This qualification may be accessed by direct entry.
The units of competency contained within this qualification are common with other qualifications and credit should be granted towards this qualification where competency has already been achieved.

Credit should also be granted towards this qualification where competency has been achieved in units of competency contained within relevant skill sets.
The units of competency in this qualification reflect competencies which are practiced within the industry and recognition of prior learning (RPL) should be granted where there is sufficient evidence of competency from work-based experience.

Pathways from the qualification
Further qualification pathways from this qualification include MSA30610 Certificate III in Recreational Vehicle Manufacture.

Additional qualification advice
MSA21108 Certificate II in Competitive Manufacturing and MSA30107 Certificate III in Process Manufacturing are available for team leaders or others who need a more generalist qualification covering the application of good manufacturing practice and lean principles.

Licensing considerations
Units of competency in this qualification provide the underpinning knowledge and skills for various required licenses. Local regulations should be checked for details.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skill	**Industry/enterprise requirements for this qualification**
Communication	• Accessing and interpreting standardised documentation • Completing all reporting as required • Asking questions to increase understanding about workplace procedures • Reading and interpreting instructions • Responding to information • Accessing and using communication tools and equipment • Applying numeracy skills to work procedures
Teamwork	• Working effectively with others • Sharing information with peers • Understanding role of individual within team process • Seeking assistance with work operations as required
Problem solving	• Recognising common problems and report inconsistencies • Monitoring the job and making improvements • Responding to routine problems • Recommending improvements
Initiative and enterprise	• Taking correct action and following procedures • Recommending changes and improvements • Taking action to make improvements • Adopting changes in accordance with procedures
Planning and organising	• Planning own work • Organising processes, tools and materials • Monitoring own work outcomes • Organising and planning activities • Collecting and organising information for work activity
Self-management	• Conducting all activities according to safety standards • Maintaining housekeeping standards • Achieving planned outcomes within time constraints • Monitoring own work performance • Assessing own work • Seeking assistance where appropriate
Learning	• Asking questions to aid learning • Identifying own skill requirements

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	• Asking questions to ensure understanding of own work requirements
Technology	• Using equipment and/or or information technology • Identifying equipment appropriate for job • Using simple measuring devices • Collecting and applying data and information from technology

Packaging Rules

Packaging Rules
To be awarded the Certificate II in Recreational Vehicle Manufacture competency must be achieved in **fourteen** (**14**) units of competency:

- **three** (**3**) core units of competency
- **eleven** (**11**) elective units of competency, as specified below:

  - a minimum of **seven** (**7**) units of competency must be selected from Group A
  - the balance of units, to a maximum of **four** (**4**) may be selected from:
- units not previously selected from Group A
- Group B units listed below.

Note: Up to **four** (**4**) elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, as specified in Groups A and B.

Note: Where prerequisite units are identified, they must be counted in the total number of units required for completion of the qualification.

Core units of competency

Unit code	Unit title	Prerequisites
MSAENV272B	Participate in environmentally sustainable work practices	
MSAPMOHS200A	Work safely	

Unit code	Unit title	Prerequisites
MSAPMSUP102A	Communicate in the workplace	

Elective units of competency

Group A

Unit code	Unit title	Prerequisites
AUMGTT001	Apply trim to vehicle components	
AURETR2010	Fabricate, test and repair wiring harnesses and looms	
AURTTA3017	Carry out vehicle safety and roadworthy inspection	
AURVTN2005	Remove and fit protector mouldings, transfers and decals	
AURVTP2007	Apply paint touch-up techniques	
AURVTT3015	Fabricate canvas products	
AURVTT3016	Fabricate frame structures	
AURVTT3019	Fabricate and install canopies and curtains	
AURVTG3011	Install side windows	
MEM03001B	Perform manual production assembly	
MEM03003B	Perform sheet and plate assembly	*
MEM05005B	Carry out mechanical cutting	*
MEM05012C	Perform routine manual metal arc welding	
MEM05050B	Perform routine gas metal arc welding	
MEM05052A	Apply safe welding practices	

Unit code	Unit title	Prerequisites
MEM07015B	Set computer controlled machines/processes	*
MEM07024B	Operate and monitor machine/process	
MEM07028B	Operate computer controlled machines/processes	*
MEM10002B	Terminate and connect electrical wiring	*
MEM11010B	Operate mobile load shifting equipment	
MEM12002B	Perform electrical/electronic measurement	
MEM12006C	Mark off/out (general engineering)	*
MEM12023A	Perform engineering measurements	
MEM18001C	Use hand tools	
MEM18002B	Use power tools/hand held operations	
MSAPMOPS101A	Make measurements	
MSARVS201A	Install LP gas systems in a recreational vehicle	
Up to **two** (**2**) relevant elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, where they are available for inclusion at Certificate II.		

Group B

Unit code	Unit title	Prerequisites
MEM09002B	Interpret technical drawing	
MEM11011B	Undertake manual handling	
MEM14004A	Plan to undertake a routine task	
MEM15004B	Perform inspection	

Unit code	Unit title	Prerequisites
MEM15024A	Apply quality procedures	
MSS402021A	Apply Just in Time procedures	
MSS402040A	Apply 5S procedures	
MSS402080A	Undertake root cause analysis	
MSAPMOHS220A	Provide initial first aid response	
MSAPMOPS212A	Use enterprise computers or data systems	
MSAPMSUP100A	Apply workplace procedures	
MSAPMSUP101A	Clean workplace or equipment	
MSAPMSUP106A	Work in a team	
MSAPMSUP280A	Manage conflict at work	
MSAPMSUP291A	Participate in continuous improvement	
MSARVS301A	Develop and update caravan industry knowledge	
MSARVG201A	Tow a recreational vehicle safely	
MSARVT201A	Apply technical knowledge of recreational vehicle manufacturing to work activities	
PMBPROD221B	Operate rotational moulding equipment	
SIRXSLS002A	Advise on products and services	
TLID2010A	Operate a forklift	
Up to **two** (**2**) relevant elective units of competency may be selected from this Training Package, other endorsed Training Packages and accredited courses, where they are available for inclusion at Certificate II.		

PMB20107 Certificate II in Polymer Processing

Modification History

Release 2 - Imported units of competency updated to current versions
Release 1 - Initial release

Description

Job roles/employment outcomes
The Certificate II in Polymer Processing is intended for competent operators who operate production equipment or undertake similar roles directly producing products. The operator would apply a breadth and depth of knowledge to a defined range of situations and would be expected to apply this knowledge to solve a defined range of problems by applying known solutions to a limited range of predictable problems.

For job roles at Certificate I level and for people working in the industry in production support roles, the following Certificates in MSA07 Manufacturing Training Package would be appropriate:

- MSA10207 Certificate I in Process Manufacturing
- MSA20107 Certificate II in Process Manufacturing.

The relevant MSA units of competency for these Certificates are available as electives in PMB07 Plastics, Rubber and Cablemaking Training Package.

Application
This industry manufactures a wide range of polymer products and components ranging from consumer products to components to be included in other industrial or consumer products. Much of it is long runs of standard products, but equally it may be short runs/one offs of specialised products. It uses a wide range of natural and synthetic polymers covering thermoplastics as well as thermosetting polymers.

The products from this industry may be components in automobiles, aeroplanes and marine craft as well as domestic appliances and industrial and commercial plant and equipment. It may also be electrical or data cabling. They may equally be consumer products such as paint brushes, tooth brushes, lunch boxes or carry bags.

People with this qualification may be expected to operate production equipment and carry out a range of support functions

Training programs for this qualification are suitable to be undertaken as part of a formal training contract with an employer under an Australian Traineeship or Apprenticeship arrangement.

Pathways into the qualification
This qualification may be accessed by direct entry, or entry may also be gained through MSA10207 Certificate I in Process Manufacturing.

Units of competency contained within this qualification may be common with other manufacturing qualifications and credit should be granted towards this qualification where competency has already been achieved. Credit should also be granted towards this qualification where competency has been achieved in units of competency contained within relevant skill sets.

The units of competency in this qualification reflect competencies which are practiced within the industry and recognition of prior learning (RPL) should be granted where there is sufficient evidence of competency from work-based experience.

Pathways from the qualification
Further qualification pathways from this qualification include PMB30107 Certificate III in Polymer Processing

Additional qualification advice
MSA21108 Certificate II in Competitive Manufacturing and MSA20107 Certificate II in Process Manufacturing are available for those who need a more generalist qualification covering the application of good manufacturing practice and lean principles.

Licensing considerations
There are no specific licences that relate to this qualification. However, units of competency in this qualification may provide the underpinning knowledge and skills required for various licences. Local regulations should be checked for details.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Employability Skill	**Industry/enterprise requirements for this qualification include**:
Communication	• complete logs, reports and plant documentation • access and interpret production plans and information • provide appropriate workplace and technical information • give and follow routine instructions • provide written and oral reports
Teamwork	• work as part of a team • identify and describe own role and role of others • identify own role and responsibility within a team
Problem solving	• recognise known faults that occur during the operation • identify and take action on causes of routine faults • identify non-routine process and quality problems and take appropriate action • respond to routine problems
Initiative and enterprise	• suggest improvements • make adjustments to improve equipment performance • determine problems needing action • report problems outside area of responsibility • raise questions regarding requirements and expectations • distinguish between causes of faults • identify product out-of-specification • safely shut down equipment in abnormal circumstances
Planning and organising	• plan own work • achieve production targets • identify production targets • recognise hazards and follow appropriate hazard control methods
Self-management	• identify work requirements • plan own work requirements from production requests • operate within appropriate time constraints and work standards • select and use appropriate equipment, materials, processes and procedures • identify task outcomes and work role

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
Learning	• ask questions to gain information • seek clarification • participate in improvement procedures
Technology	• check process is operating within required limits • monitor equipment operation • monitor operation of processes • use appropriate instruments • use power tools and electrical systems • monitor and adjust machine functions • use forklift controls, instruments and indicators

Packaging Rules

Packaging Rules
To be awarded the Certificate II in Polymer Processing competency must be achieved in **fourteen** (**14**) units of competency:

- **three** (**3**) core units of competency
- **eleven** (**11**) elective units of competency, as specified below.

Note: Where prerequisite units apply, these must be considered in the total number of units chosen.

Core units of competency

Unit code	Unit title	Prerequisite
MSAENV272B	Participate in environmentally sustainable work practices	
MSAPMOHS200A	Work safely	
MSAPMSUP210A	Process and record information	

Elective units of competency
Select **eleven** (**11**) units of competency, as specified below:

- a minimum of **three** (**3**) from Group A

- The remainder may be chosen from Groups A and B to bring the total number of electives to **eleven** (**11**).

Note: Up to **four** (**4**) of the elective units can be chosen from other qualifications in this Training Package, other endorsed Training Packages and accredited courses, as specified in Group B.

Group A

Unit code	Unit title	Prerequisite
FPICOT2206B	Cross cut materials with a hand-held chainsaw	
MSAPMOPS200A	Operate equipment	
MSAPMOPS212A	Use enterprise computers or data systems	
MSAPMOPS244A	Layout and cut materials	
PMBFIN201C	Finish products and components	
PMBFIN202C	Fit attachments to products	
PMBFIN203C	Repair product imperfections	
PMBFIN205C	Hand decorate products	
PMBPREP201B	Prepare moulds for composites production	
PMBPREP205C	Assemble materials and equipment for production	
PMBPREP206C	Prepare materials to formulae	
PMBPROD206B	Operate ancillary equipment	
PMBPROD207B	Operate calender	
PMBPROD209C	Operate cable winding equipment	
PMBPROD210B	Operate injection moulding equipment	
PMBPROD211B	Operate blow moulding equipment	
PMBPROD212B	Operate thermoforming equipment	
PMBPROD213B	Operate extruders	

Unit code	Unit title	Prerequisite
PMBPROD216B	Operate blown film equipment	
PMBPROD217B	Operate printing equipment	
PMBPROD221B	Operate rotational moulding equipment	
PMBPROD229B	Operate polystyrene shape moulding equipment	
PMBPROD233B	Operate film conversion equipment	
PMBPROD235C	Use materials and process knowledge to complete work operations	
PMBPROD236C	Operate hand held air/power equipment for production processes	
PMBPROD237C	Splice cables	
PMBPROD238A	Perform creel rack operations	
PMBPROD239A	Build reinforced conveyor belts	
PMBPROD240C	Cut materials	
PMBPROD241C	Lay up rubber lining or lag pulleys	
PMBPROD242A	Bond polymers to surfaces	
PMBPROD245C	Fabricate materials	
PMBPROD246C	Hand mix materials	
PMBPROD247C	Hand lay up composites	
PMBPROD248C	Prepare surfaces for coating	
PMBPROD249B	Apply liquid surface coatings	
PMBPROD251B	Apply gel coat or other polymer surface finish	
PMBPROD252C	Operate compounding equipment	
PMBPROD253C	Operate an internal mill blender	

Unit code	Unit title	Prerequisite
PMBPROD254C	Operate an open mill blender	
PMBPROD255C	Operate mixing equipment	
PMBPROD259C	Operate granulating equipment	
PMBPROD261B	Operate continuous vulcanising equipment	
PMBPROD262B	Operate tyre curing equipment	
PMBPROD263B	Operate retread curing equipment	
PMBPROD264C	Check recycle wash process	
PMBPROD265C	Operate portable vulcanising equipment	
PMBPROD266B	Prepare tyre casings for retreading	
PMBPROD267B	Operate steel cutting equipment	
PMBPROD268B	Operate bead coiling equipment	
PMBPROD270B	Operate injection blow moulding equipment	
PMBPROD280B	Operate resin-glass depositor equipment	
PMBPROD281B	Finish composite products	
PMBPROD282B	Assemble mould	
PMBPROD283B	Demould product	
PMBPROD284B	Operate open flame moulding equipment	
PMBPROD285A	Operate computer controlled equipment	
PMBPROD287B	Weld plastics materials	
PMBPROD290B	Operate filament winding equipment	
PMBPROD291B	Operate resin infusion moulding equipment	
PMBPROD292B	Operate pultrusion equipment	

Unit code	Unit title	Prerequisite
PMBPROD293B	Operate vacuum bagging equipment	
PMBPROD294B	Operate resin transfer moulding equipment	
PMBPROD295B	Operate composite sheeting equipment	
PMBPROD296B	Operate centrifugal casting equipment	
PMBPROD297B	Operate equipment using moulding compounds	
PMBPROD298B	Operate equipment using pre-preg material	
A maximum of **two** (**2**) units of competency may be chosen from the units in Groups A and B of PMB30107 Certificate III in Polymer Processing (at least one of which must be from Group A).		

Group B

Unit code	Unit title	Prerequisite
LMTGN2008B	Coordinate work of team/section	
MEM13003B	Work safely with industrial chemicals	
MEM16006A	Organise and communicate information	
MEM16007A	Work with others in a manufacturing, engineering or related environment	
MEM16008A	Interact with computing technology	
MEM18001C	Use hand tools	
MEM18002B	Use power tools/hand held operations	
MSS402002A	Sustain process improvements	
MSS402020A	Apply quick changeover procedures	
MSS402021A	Apply Just in Time procedures	
MSS402030A	Apply cost factors to work practices	

Unit code	Unit title	Prerequisite
MSS402040A	Apply 5S procedures	
MSS402050A	Monitor process capability	
MSS402051A	Apply quality standards	
MSS402060A	Use planning software systems in operations	
MSS402080A	Undertake root cause analysis	
MSAPMOHS100A	Follow OHS procedures	
MSAPMOHS110A	Follow emergency response procedures	
MSAPMOHS205A	Control minor incidents	
MSAPMOHS210B	Undertake first response to non-fire incidents	
MSAPMOHS212A	Undertake first response to fire incidents	
MSAPMOHS216A	Operate breathing apparatus	
MSAPMOHS217A	Gas test atmospheres	
MSAPMOHS220A	Provide initial first aid response	
MSAPMOPS100A	Use equipment	
MSAPMOPS101A	Make measurements	
MSAPMOPS102A	Perform tasks to support production	
MSAPMPER200C	Work in accordance with an issued permit	
MSAPMPER201A	Monitor and control work permits	
MSAPMPER205C	Enter confined space	*
MSAPMSUP100A	Apply workplace procedures	
MSAPMSUP101A	Clean workplace or equipment	
MSAPMSUP102A	Communicate in the workplace	

Unit code	Unit title	Prerequisite
MSAPMSUP106A	Work in a team	
MSAPMSUP172A	Identify and minimise environmental hazards	
MSAPMSUP200A	Achieve work outcomes	
MSAPMSUP201A	Receive or despatch goods	
MSAPMSUP204A	Pack products or materials	
MSAPMSUP205A	Transfer loads	
MSAPMSUP230A	Monitor process operations	
MSAPMSUP240A	Undertake minor maintenance	
MSAPMSUP273A	Handle goods	
MSAPMSUP280A	Manage conflict at work	
MSAPMSUP291A	Participate in continuous improvement	
MSAPMSUP292A	Sample and test materials and product	
PMBHAN103C	Shift materials safely by hand	
PMBHAN208C	Store products	
PMBWASTE101C	Collect waste for recycling or safe disposal	
RIIRIS201B	Conduct local risk control	
TLID2010A	Operate a forklift	
Up to **four** (**4**) relevant units of competency may be chosen from this Training Package, other endorsed Training Packages and accredited courses, where those units are available for inclusion at Certificates II or III.		

PMC20110 Certificate II in Manufactured Mineral Products

Modification History

Release 2 - Imported units updated to current versions. No change in outcomes.
Release 1 - Initial release

Description

This qualification covers the skills and knowledge required to perform a range of process operations within the manufactured mineral products industries.

Job roles/employment outcomes

The Certificate II in Manufactured Mineral Products is intended for competent operators who operate production equipment or undertake similar roles directly producing products. The operator would apply a breadth and depth of knowledge to a defined range of situations and would be expected to apply this knowledge to solve a defined range of problems by applying known solutions to a limited range of predictable problems.

Application

This qualification is typically used to prepare new employees or develop existing workers performing an operational role in the production of manufactured mineral products.

Operators may specialise in one of the following sectors:

- cement
- precast concrete products
- premixed concrete
- clay products
- ceramic products
- float (flat) glass
- glass containers
- refractories
- plaster (both fibrous plaster and plaster boards)
- fibre cement boards and other products
- ground minerals
- abrasive grinding wheels and cutting discs
- other related areas.

Specialisations must be reflected by the selection of units identified for specialised streams.

Training programs for this qualification are suitable to be undertaken as part of a formal training contract with an employer under an Australian Traineeship or Apprenticeship arrangement.

Pathways into the qualification

This qualification may be accessed by direct entry. Credit may be granted towards this qualification by those who have completed MSA10207 Certificate I in Process Manufacturing in the MSA07 Manufacturing Training Package or other relevant qualifications. Credit for this qualification may also include units contained within relevant skill sets.

Pathways from the qualification

Further training pathways from this qualification include PMC30110 Certificate III in Manufactured Mineral Products, MSA30107 Certificate III in Process Manufacturing, MSA30208 Certificate III in Manufacturing Technology, MSS30312 Certificate III in Competitive Systems and Practices or other relevant qualifications.

Additional qualification advice
An industry specialisation should include a range of units (typically production or other units relevant to the specialisation) that focus more on the industry speciality than a generic qualification.

An industry specialisation does not change the title of the qualification although RTOs may choose to record the specialisation.
MSA20107 Certificate II in Process Manufacturing from the MSA07 Manufacturing Training Package is available for production support employees at this level and should be used where the job requirements do not allow for the development of competency in sufficient technical units of competency.
MSS20312 Certificate II in Competitive Systems and Practices is available for employees at this level who already possess technical skills and who require additional manufacturing practice skills above those available in this qualification.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Licensing considerations
There are no specific licences that relate to this qualification. However, some units in this qualification may have licensing or regulatory requirements. Local regulations should be checked for details.

Entry Requirements

Not applicable.

Employability Skills Summary

Employability Skill	Industry/enterprise requirements for this qualification
Communication	• maintain communication about work related subjects and with appropriate audiences • complete required workplace forms reports • use technical information and workplace procedures • collect and organise information • communicate ideas and information • use workplace documentation • maintain workplace records
Teamwork	• identify and describe own role and role of others • work within a team • teamwork strategies
Problem solving	• recognise a problem or a potential problem • determine problems needing priority action • refer problems outside area of responsibility to appropriate person • identify appropriate theory base for problem • solve problems within area of responsibility • follow through items initiated until final resolution has occurred • identify and isolate faults in equipment • use simple formal problem solving techniques
Initiative and enterprise	• identify the required process conditions for equipment • determine problems needing action • suggest required action • report problems outside area of responsibility • distinguish between causes of faults
Planning and organising	• prioritise actions to achieve required outcomes • plan own work requirements • plan and organise activities • identify tasks to achieve team goals • monitor completion of allocated tasks
Self-management	• plan own work requirements from job requests • operate within appropriate time constraints and work standards • select and use appropriate equipment, materials, processes and procedures • plan to ensure effective production

	• apply standard procedures	
	• identify resource requirements	
	• recognise limitations and seek timely advice	
Learning	• ask questions to clarify information	
	• identify sources of information required for job	
	• participate in improvement procedures	
	• participate in development of continuous improvement strategies	
Technology	• operate equipment	
	• start up and shut down equipment	
	• monitor quality	
	• function and operating principles of equipment	
	• maintain workplace records	

Packaging Rules

Packaging Rules
To be awarded the Certificate II in Manufactured Mineral Products competency must be achieved in **fifteen** (**15**) units of competency:

- **six** (**6**) core units of competency
- **nine** (**9**) elective units of competency from Groups A and B, as specified below.

Note
Where prerequisite units apply, these must be considered in the total number of units chosen.

Core units of competency
Select **six** (**6**) core units of competency as specified below.
All **five** (**5**) of these units must be chosen.

Unit code	Title	Prerequisites
MSAENV272B	Participate in environmentally sustainable work practices	
MSAPMOHS200A	Work safely	
MSAPMSUP100A	Apply workplace procedures	
MSAPMSUP101A	Clean workplace or equipment	
MSAPMSUP102A	Communicate in the workplace	

Select **one** (**1**) of the following units. Note that only MSAPMOPS101A **OR** PMAOPS101C may be included in this qualification, not both.

Unit code	Title	Prerequisites
MSAPMOPS101A	Make measurements	
PMAOPS101C	Read dials and indicators	

Elective units of competency
Group A - **Specialist electives**
A minimum of **two** (**2**) specialist elective units must be chosen from the list below.

Unit code	Title	Prerequisites
MSAPMOPS200A	Operate equipment	
MSAPMOPS212A	Use enterprise computers or data systems	
MSAPMSUP230A	Monitor process operations	
PMAOPS216B	Operate local control system	
PMC552002C	Operate equipment to blend/mix materials	
PMC552003C	Operate grinding equipment	
PMC552004C	Prepare for production	
PMC552005C	Process greenware/green products	
PMC552006C	Operate an autoclave	
PMC552007B	Heat accelerate the curing of precast concrete	
PMC552008B	Operate crushing equipment	
PMC552010C	Operate a calcining kiln	
PMC552020C	Operate slip casting equipment	
PMC552021C	Operate manual glazing equipment	
PMC552022C	Prepare materials for clay and ceramic	

Unit code	Title	Prerequisites
	production	
PMC552023C	Finish products after firing	
PMC552024C	Hand mould products	
PMC552030C	Operate a firing kiln	
PMC552031C	Operate extrusion equipment	
PMC552032C	Operate pressing equipment	
PMC552040C	Operate glass melting process	
PMC552041C	Operate process ovens	
PMC552042C	Operate blown insulation equipment	
PMC552043C	Operate float forming equipment	
PMC552044C	Operate fibre forming equipment	
PMC552045C	Operate container forming equipment	
PMC552046C	Operate glass printing equipment	
PMC552047C	Operate primary annealing equipment	
PMC552048C	Operate glass finishing equipment	
PMC552049C	Operate on-line stacking and assembly equipment	
PMC552050C	Schedule, cut and bend reinforcement	
PMC552051C	Finish green concrete products	
PMC552052C	Cast moulded concrete products	
PMC552053C	Finish cured concrete products	
PMC552054C	Spin concrete pipes	
PMC552055C	Conduct benching operations	

Unit code	Title	Prerequisites
PMC552056B	Assemble, fabricate and place reinforcement	
PMC552057B	Finish casting operation	
PMC552058B	Demould concrete products	
PMC552060C	Batch mix concrete	
PMC552061C	Deliver concrete to site	
PMC552065B	Prepare asphalt	
PMC552070B	Operate forming equipment	
PMC552071B	Operate wet and dry end equipment	
PMC552072B	Produce fibrous plasterboard	
PMC552090B	Use and maintain tools and equipment for refractory operations	
PMC552091B	Prepare for, install and repair refractory brickwork/blockwork	
PMC552092B	Prepare for and install mouldable refractory materials	
PMC552093B	Prepare for and cast refractory materials	
PMC552094B	Prepare for and apply shotcrete for installation	
PMC552095B	Prepare for, install and repair ceramic fibre	
Up to **one** (**1**) specialist elective unit may be chosen from Group A of PMC30110 Certificate III in Manufactured Mineral Products.		

Group B - **Other electives**
The balance of units, to a maximum of **seven** (**7**), may be drawn in any combination from:

- units not already chosen from Group A above
- Group B units listed below

Unit code	Title	Prerequisites
RIIRIS201B	Conduct local risk control	
MSS402030A	Apply cost factors to work practices	
MSS402031A	Interpret product costs in terms of customer requirements	
MSS402040A	Apply 5S procedures	
MSS402050A	Monitor process capability	
MSS402051A	Apply quality standards	
MSS402060A	Use planning software systems in operations	
MSS402080A	Undertake root cause analysis	
MSS402081A	Contribute to the application of a proactive maintenance strategy	
MSAPMOHS110A	Follow emergency response procedures	
MSAPMOPS100A	Use equipment	
MSAPMPER200C	Work in accordance with an issued permit	
MSAPMPER201A	Monitor and control work permits	
MSAPMPER202A	Observe permit work	
MSAPMPER205C	Enter confined space	
MSAPMSUP106A	Work in a team	
MSAPMSUP200A	Achieve work outcomes	
MSAPMSUP201A	Receive or despatch goods	
MSAPMSUP210A	Process and record information	
MSAPMSUP240A	Undertake minor maintenance	
MSAPMSUP280A	Manage conflict at work	

Unit code	Title	Prerequisites
MSAPMSUP292A	Sample and test materials and product	
MSL952001A	Collect routine site samples	
PMAOPS105C	Select and prepare materials	
PMBHAN103C	Shift materials safely by hand	
PMC561072C	Store materials for production	
PMC561080B	Organise self	
PMC562070B	Move materials	
PMC562071C	Operate bulk materials handling equipment	
PMC562075B	Maintain kiln refractory	
PMC562081B	Deliver customer service	
PMC562083C	Allocate and complete team tasks	
TLIC3003A	Drive medium rigid vehicle	
TLIC3004A	Drive heavy rigid vehicle	
TLID2010A	Operate a forklift	

Note: Only **one** of TLIC3003A **or** TLIC3004A may be included in this qualification, not both.

Up to **four** (**4**) relevant units may be selected from this Training Package, other endorsed Training Packages and accredited courses, where those units are available at Certificate II or III.

RII10109 Certificate I in Resources and Infrastructure Operations

Modification History

Not applicable.

Description

The Certificate I in Resources and Infrastructure Operations is an introductory qualification aimed at individuals entering the resources and infrastructure industry. It allows individuals to develop basic skills and knowledge to prepare for work. They may undertake a range of simple tasks under close supervision. The range of technical skills and knowledge is limited.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

The following table includes a summary of the employability skills as identified by the resources and infrastructure industry for this qualification. The table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes required here are broad industry requirements that may vary depending on packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	- speak clearly and directly - listen carefully to instructions and information - read and interpret work instructions and safety signs - calculate basic weights, distances and volumes - complete incident and maintenance reports - adjust communication style to meet the needs of people with diverse backgrounds
Teamwork	- apply teamwork in a range of situations, particularly in a safety context - contribute to the planning and execution of operations - work cooperatively with people of different ages, gender, race, religion or political persuasion and people with disability - recognise and respond sensitively to people from culturally and linguistically diverse backgrounds
Problem-solving	- adjust work methods in response to changing weather and site conditions - participate in team solutions to safety issues
Initiative and enterprise	- independently adapt to changing work conditions or different work areas - identify potential improvements to working practice and conditions - identify and assess risks in the workplace
Planning and organising	- manage time and priorities to complete work - identify and obtain appropriate equipment and permits - identify potential hazards and prepare appropriate responses - follow procedures and techniques relevant to the equipment and work being done

Self-management	• take responsibility for planning and organising own work priorities and completing assigned tasks • monitor own performance to ensure work will be completed well and on time • understand the standard of work expected at a work site
Learning	• be willing to learn new ways of working • seek information to improve performance from people and workplace documents like policies, procedures etc • understand equipment characteristics, technical capabilities, limitations and procedures
Technology	• use technology to monitor and report on work progress • use communications technology appropriate to the workplace (email, mobile, radio, etc) • operate equipment safely

Packaging Rules

Requirements for completion of the qualification

The following table provides the packaging rules for this qualification, followed by the list of relevant units of competency.

Successful completion of six (6) units of competency made up of:

- two (2) Core units, and
- four (4) elective units of which:
- up to four (4) from the Group A electives listed below
- up to one (1) unit may come from AQF level I, II or III in this, or any other, Training Package or accredited course*

Units of competency chosen must:

- be relevant to the competency requirements for the job function
- reflect the competency profile for the occupation at the enterprise level
- in the case of accredited course units of competency, not duplicate in part or in whole any unit from a Training Package.

Care must be taken to ensure that all prerequisites specified within imported units, or units chosen as electives, are complied with.

Core units of competency	
Unit code	*Unit title*
RIICOM201A	Communicate in the workplace
RIIOHS201A	Work safely and follow OHS policies and procedures
Group A electives	
Unit code	*Unit title*
BSBITU101A	Operate a personal computer
BSBSUS201A	Participate in environmentally sustainable work practices
HLTFA301C	Apply first aid
RIIBEF201B	Plan and organise work
RIICCM201A	Carry out measurements and calculations

RIICCM203A	Read and interpret plans and specifications
RIIENV201A	Identify and assess environmental and heritage concerns
RIIQUA201A	Maintain and monitor site quality standards
RIIRIS201B	Conduct local risk control
RIISAM201A	Handle resources and infrastructure materials and safely dispose of non toxic materials
RIISAM203B	Use hand and power tools
RIISAM204B	Operate small plant and equipment
RIISTD201A	Read and interpret maps
RIISTD202A	Collect routine site samples

RII20109 Certificate II in Resources and Infrastructure Work Preparation

Modification History

Not applicable.

Description

This qualification reflects the roles of individuals who perform mainly routine tasks and procedures, using limited practical skills and fundamental operational knowledge, and taking some responsibility for the quality of the work outcomes.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

The following table includes a summary of the employability skills as identified by the resources and infrastructure industry for this qualification. The table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes required here are broad industry requirements that may vary depending on packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	- speak clearly and directly - listen carefully to instructions and information - read and interpret work instructions and safety signs - calculate basic weights, distances and volumes - complete incident and maintenance reports - adjust communication style to meet the needs of people with diverse backgrounds
Teamwork	- apply teamwork in a range of situations, particularly in a safety context - contribute to the planning and execution of operations - work cooperatively with people of different ages, gender, race, religion or political persuasion and people with disability - recognise and respond sensitively to people from culturally and linguistically diverse backgrounds
Problem-solving	- adjust work methods in response to changing weather and site conditions - participate in team solutions to safety issues
Initiative and enterprise	- independently adapt to changing work conditions or different work areas - identify potential improvements to working practice and conditions - identify and assess risks in the workplace
Planning and organising	- manage time and priorities to complete work - identify and obtain appropriate equipment and permits - identify potential hazards and prepare appropriate responses - follow procedures and techniques relevant to the equipment and work being done
Self-management	take responsibility for planning and organising own work priorities and completing assigned tasks

	• monitor own performance to ensure work will be completed well and on time • understand the standard of work expected at a work site
Learning	• be willing to learn new ways of working • seek information to improve performance from people and workplace documents like policies, procedures etc • understand equipment characteristics, technical capabilities, limitations and procedures
Technology	• use technology to monitor and report on work progress • use communications technology appropriate to the workplace (email, mobile, radio, etc) • operate equipment safely

Packaging Rules

Requirements for completion of the qualification

The following table provides the packaging rules for this qualification, followed by the list of relevant units of competency.

Successful completion of eight (8) units of competency made up of:

- two (2) Core units, and
- six (6) elective units of which:
- at least three (3) must come from the Group A electives or Group B high risk work electives listed below
- up to two (2) from the Group C electives listed below
- up to one (1) unit may come from AQF level I, II or III in this, or any other, Training Package or accredited course.

Units of competency chosen must:

- be relevant to the competency requirements for the job function
- reflect the competency profile for the occupation at the enterprise level
- in the case of accredited course units of competency, not duplicate in part or in whole any unit from a Training Package.

There are both licensed and non-licensed units of competency relating to high risk work in the RII09 Resources and Infrastructure Industry Training Package. To be appointed under any statutory requirements in related roles, units of competency should be demonstrated to meet the state/territory licensing requirements. State/territory licensing requirements need to be confirmed by the Registered Training Organisation delivering and/or assessing the competency.

Care must be taken to ensure that all prerequisites specified within imported units, or units chosen as electives, are complied with.

Core units of competency	
Unit code	*Unit title*
RIIOHS201A	Work safely and follow OHS policies and procedures
RIIRIS201B	Conduct local risk control
Group A electives	
Unit code	*Unit title*
RIICCM201A	Carry out measurements and calculations
RIIERR201A	Conduct fire team operations
RIIHAN201A	Operate a forklift

RIIHAN208A	Perform dogging
RIIHAN209A	Perform basic rigging
RIIHAN211A	Conduct basic scaffolding operations
RIISAM201A	Handle resources and infrastructure materials and safely dispose of non toxic materials
RIISAM202A	Isolate and access plant
RIISAM203B	Use hand and power tools
RIISAM205A	Cut, weld and bend materials
RIISAM207A	Apply operational maintenance skills
RIISTD201A	Read and interpret maps
RIIVEH201B	Operate light vehicle

Group B High risk work electives

Unit code	Unit title
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level

Group C electives

Unit code	Unit title
BSBITU101A	Operate a personal computer
BSBSUS201A	Participate in environmentally sustainable work practices
HLTFA301C	Apply first aid
RIIBEF201B	Plan and organise work
RIICCM203A	Read and interpret plans and specifications
RIICOM201A	Communicate in the workplace

RIIENV201A	Identify and assess environmental and heritage concerns
RIIGOV201A	Comply with site work processes/procedures
RIIOHS202A	Enter and work in confined spaces
RIIOHS204A	Work safely at heights
RIIQUA201A	**Maintain and monitor site quality standards**

RII20209 Certificate II in Surface Extraction Operations

Modification History

Not applicable.

Description

This qualification reflects the role of individuals working as an operator on sites such as an open cut coal mine, a quarry or an open cut metalliferous mine, undertaking a prescribed range of tasks involving known routines and procedures, and taking some responsibility for the quality of work outcomes.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

The following table includes a summary of the employability skills as identified by the resources and infrastructure industry for this qualification. The table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes required here are broad industry requirements that may vary depending on packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	• speak clearly and directly • listen carefully to instructions and information • read and interpret work instructions and safety signs • calculate basic weights, distances and volumes • complete incident and maintenance reports • adjust communication style to meet the needs of people with diverse backgrounds
Teamwork	• apply teamwork in a range of situations, particularly in a safety context • contribute to the planning and execution of operations • work cooperatively with people of different ages, gender, race, religion or political persuasion and people with disability • recognise and respond sensitively to people from culturally and linguistically diverse backgrounds
Problem-solving	• adjust work methods in response to changing weather and site conditions • participate in team solutions to safety issues
Initiative and enterprise	• independently adapt to changing work conditions or different work areas • identify potential improvements to working practice and conditions • identify and assess risks in the workplace
Planning and organising	• manage time and priorities to complete work • identify and obtain appropriate equipment and permits • identify potential hazards and prepare appropriate responses • follow procedures and techniques relevant to the equipment and work being done
Self-management	• take responsibility for planning and organising own work priorities and completing assigned tasks

	• monitor own performance to ensure work will be completed well and on time
	• understand the standard of work expected at a work site
Learning	• be willing to learn new ways of working
	• seek information to improve performance from people and workplace documents like policies, procedures etc
	• understand equipment characteristics, technical capabilities, limitations and procedures
Technology	• use technology to monitor and report on work progress
	• use communications technology appropriate to the workplace (email, mobile, radio, etc)
	• operate equipment safely

Packaging Rules

Requirements for completion of the qualification

The following table provides the packaging rules for this qualification, followed by the list of relevant units of competency.

Successful completion of nine (9) units of competency made up of:

- five (5) Core units, and
- four (4) elective units of which:
- at least two (2) must come from the Group A electives listed below
- up to two (2) from the Group B electives listed below, or from AQF level II or III in this, or any other, Training Package or accredited courses

Units of competency chosen must

- be relevant to the competency requirements for the job function
- reflect the competency profile for the occupation at the enterprise level
- in the case of accredited course units of competency, not duplicate in part or in whole any unit from a Training Package.

Care must be taken to ensure that all prerequisites specified within imported units, or units chosen as electives, are complied with.**Core units of competency**	
Unit code	*Unit title*
BSBSUS201A	Participate in environmentally sustainable work practices
RIICOM201A	Communicate in the workplace
RIIOHS201A	Work safely and follow OHS policies and procedures
RIIRIS201B	Conduct local risk control
	And either
RIIQUA201A	Maintain and monitor site quality standards
	OR

RIIGOV201A	Comply with site work processes/procedures (Coal)

Group A electives

Unit code	*Unit title*
RIIERR205A	Apply initial response first aid
RIIERR302A	Respond to local emergencies and incidents
RIIENV202A	Suppress airborne contaminants
RIIMCO202A	Conduct mobile slew conveyor operations
RIIMEX202A	Install open-cut mine ground support
RIIMEX203B	Break oversize rock
RIIMEX204A	Conduct workboat/barge operations
RIIMPO203A	Support bucket wheel system operations
RIIMPO204A	Conduct conveyor shifting dozer operations
RIIMPO205B	Operate roller/compactor
RIIMPO206B	Conduct bulk water truck operations
RIIMPO208A	Operate support equipment
RIIMPO311A	Conduct haul truck operations
RIIPEO201B	Conduct conveyor operations
RIIPEO202A	Provide deck support for conveyor-car high wall mining operations
RIIPEO203B	Conduct stacker operations
RIIPEO206A	Lay and recover cables and hoses
RIIPRO201A	Conduct crushing operations
RIIPRO202A	Conduct screening and conveying operations
RIIPRO203A	Operate programmable logic control systems

RIIPRO205A	Conduct blending plant operations
RIISAM202A	Isolate and access plant
RIISAM214A	Provide support to electrical tradesperson
RIISRM302B	Conduct stockpile reclaiming operations
RIIVEH201B	Operate light vehicle
RIIWMG201A	Conduct dewatering activities in surface operations

Group B electives

Unit code	*Unit title*
BSBITU101A	Operate a personal computer
RIIBEF201B	Plan and organise work
RIIBEF202A	Identify and rectify site operating problems
RIIBLA203B	Conduct mobile mixing of explosives
RIIBLA205A	Store, handle and transport explosives
RIICCM208A	Carry out basic levelling
RIIENV201A	Identify and assess environmental and heritage concerns
RIIERR201A	Conduct fire team operations
RIIHAN201A	Operate a forklift
RIIHAN203A	Conduct lifting operations
RIIHAN206A	Transport plant, equipment and personnel
RIIHAN208A	Perform dogging
RIIHAN209A	Perform basic rigging
RIIHAN210A	Perform intermediate rigging operations
RIIHAN211A	Conduct basic scaffolding operations

RIIHAN212A	Conduct non-slewing crane operations
RIIOHS202A	Enter and work in confined spaces
RIIOHS204A	Work safely at heights
RIISAM205A	Cut, weld and bend materials
RIISAM207A	Apply operational maintenance skills
RIISAM208A	Perform plant operational maintenance
RIISAM210A	Remove and fit wheel assemblies
RIISAM211B	Remove, repair and refit tyres and tubes
RIISAM212A	Service mine plant and equipment
RIISAM213A	Position and set up mobile lighting
RIISAM302A	Service and handover plant and machines
RIISTD202A	Collect routine site samples
RIIVEH202A	Operate a medium vehicle
AHCNAR201A	Carry out natural area restoration works
AHCSAW201A	Conduct erosion and sediment control activities
AHCNAR303A	Implement revegetation works
AHCSAW301A	Construct conservation earthworks
TLID2022A	Conduct weighbridge operations

RII20309 Certificate II in Underground Coal Mining

Modification History

Inclusion of RIIBLA204A Store, handle and transport explosives in underground coal mines which was previously omitted.

Description

This qualification reflects the role of an individual working as an operator in an underground coal mine, who performs a range of mainly routine tasks using limited practical skills and fundamental operational knowledge, in a defined context working under direct supervision.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

The following table includes a summary of the employability skills as identified by the resources and infrastructure industry for this qualification. The table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes required here are broad industry requirements that may vary depending on packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	• speak clearly and directly • listen carefully to instructions and information • read and interpret work instructions and safety signs • calculate basic weights, distances and volumes • complete incident and maintenance reports • adjust communication style to meet the needs of people with diverse backgrounds
Teamwork	• apply teamwork in a range of situations, particularly in a safety context • contribute to the planning and execution of operations • work cooperatively with people of different ages, gender, race, religion or political persuasion and people with disability • recognise and respond sensitively to people from culturally and linguistically diverse backgrounds
Problem-solving	• adjust work methods in response to changing weather and site conditions • participate in team solutions to safety issues
Initiative and enterprise	• independently adapt to changing work conditions or different work areas • identify potential improvements to working practice and conditions • identify and assess risks in the workplace
Planning and organising	• manage time and priorities to complete work • identify and obtain appropriate equipment and permits • identify potential hazards and prepare appropriate responses • follow procedures and techniques relevant to the equipment and work being done
Self-management	• take responsibility for planning and organising own work priorities and completing assigned tasks

	• monitor own performance to ensure work will be completed well and on time
	• understand the standard of work expected at a work site
Learning	• be willing to learn new ways of working
	• seek information to improve performance from people and workplace documents like policies, procedures etc
	• understand equipment characteristics, technical capabilities, limitations and procedures
Technology	• use technology to monitor and report on work progress
	• use communications technology appropriate to the workplace (email, mobile, radio, etc)
	• operate equipment safely

Packaging Rules

Requirements for completion of the qualification

The following table provides the packaging rules for this qualification, followed by the list of relevant units of competency.

Successful completion of ten (10) units of competency made up of:

- five (5) Core units, and
- five (5) elective units of which:
- at least four (4) must come from the Group A electives listed below
- up to one (1) from the Group B electives listed below, or from AQF level II or III in this, or any other, Training Package

Units of competency chosen must be relevant to the competency requirements for the job function.

Care must be taken to ensure that all prerequisites specified within imported units, or units chosen as electives, are complied with.

Core units of competency	
Unit code	*Unit title*
RIICOM201A	Communicate in the workplace
RIIERR203B	Escape from hazardous situation unaided
RIIOHS201A	Work safely and follow OHS policies and procedues
RIIGOV201A	Comply with site work processes/procedures
RIIRIS201B	Conduct local risk control
Group A electives	
Unit code	*Unit title*
RIIERR205A	Apply initial response first aid
RIIMCU201A	Operate power tram
RIIMCU202A	Conduct tracked vehicle/plant operations
RIIMCU203A	Conduct wheeled vehicle operations (non-articulated)
RIIMCU204A	Conduct wheeled vehicle operations (articulated)
RIIMCU205A	Conduct rotational drilling
RIIMCU206A	Install, maintain and recover gas drainage systems

RIIMCU207A	Install, maintain and recover electrical services
RIIMCU208A	Conduct basic strata control operations
RIIMCU209A	Conduct roadway maintenance
RIIMCU210A	Conduct stonedusting operations
RIIMCU211A	Install and maintain explosion barriers
RIIMCU212A	Construct and maintain basic ventilation devices
RIIMCU213A	Conduct feeder breaker operations
RIIMCU214A	Conduct face ventilation operations
RIIMCU215A	Operate longwall ancillary equipment
RIIMCU216A	Maintain lamp cabin operations
RIIMCU402A	Apply spontaneous combustion management measures
RIIMPO208A	Operate support equipment
RIIMPO307B	Conduct wheel grader operations in underground mines
RIINHB304B	Conduct air drilling
RIIPEO202A	Provide deck support for conveyor-car high wall mining operations
RIIPEO208A	Extend, retract and maintain conveyor componentry
RIIUND201A	Install, maintain and recover reticulation systems
RIIUND206A	Install hand held underground ground support
RIIUND207A	Conduct underground lifting operations
RIIUND208A	Conduct skip operations
RIIUND209A	Operate automated winder
RIIUND301A	Operate manual winder
RIIUND302A	Conduct cage operations

Unit code	Unit title
RIIUND303A	Operate winder for shaft sinking
RIIWMG202A	Conduct dewatering activities in underground mining operations

Group B electives

Unit code	Unit title
BSBITU101A	Operate a personal computer
BSBPUR301B	Purchase goods and services
BSBSUS201A	Participate in environmentally sustainable work practices
ICAICT308A	Use advanced features of computer applications
RIIBLA202B	Support underground shotfiring operations
RIIBLA204A	Store, handle and transport explosives in underground coal mines
RIIERR201A	Conduct fire team operations
RIIERR204A	Provide aided rescue to endangered personnel
RIIERR302A	Respond to local emergencies and incidents
RIIHAN201A	Operate a forklift
RIIHAN208A	Perform dogging
RIIHAN209A	Perform basic rigging
RIIHAN210A	Perform intermediate rigging operations
RIIHAN211A	Conduct basic scaffolding operations
RIIHAN212A	Conduct non-slewing crane operations
RIIHAN301B	Operate elevating work platform
RIIHAN302A	Conduct intermediate scaffolding operations
RIIHAN305A	Operate a gantry or overhead crane
RIIHAN307A	Operate a vehicle loading crane

RIIOHS203A	Maintain amenities
RIIQUA201A	Maintain and monitor site quality standards
RIISAM205A	Cut, weld and bend materials
RIISAM207A	Apply operational maintenance skills
RIISAM210A	Remove and fit wheel assemblies
RIISAM211B	Remove, repair and refit tyres and tubes
RIISAM212A	Service mine plant and equipment
RIISAM214A	Provide support to electrical tradesperson
RIISAM301A	Test operational functions of vehicles and equipment
RIISAM311A	Maintain winder equipment
RIISAM312A	Inspect and maintain shafts and structures
RIISAM313A	Monitor, inspect and service ropes and attachments
RIIVEH201B	Operate light vehicle
RIIVEH202A	Operate a medium vehicle
RIIVEH301A	Conduct rail haulage operations

RII20409 Certificate II in Underground Metalliferous Mining

Modification History

RIIUND203A code change to RIIUND310 Apply shot-crete underground

Description

This qualification reflects the role of individuals, such as an operator working in an underground metalliferous mine, who perform a range of mainly routine tasks using limited practical skills and fundamental operational knowledge in a defined context, working under direct supervision.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

The following table includes a summary of the employability skills as identified by the resources and infrastructure industry for this qualification. The table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes required here are broad industry requirements that may vary depending on packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	• speak clearly and directly • listen carefully to instructions and information • read and interpret work instructions and safety signs • calculate basic weights, distances and volumes • complete incident and maintenance reports
Teamwork	• apply teamwork in a range of situations, particularly in a safety context • contribute to the planning and execution of operations • work cooperatively with people of different ages, gender, race, religion or political persuasion
Problem-solving	• adjust work methods in response to changing weather and site conditions • participate in team solutions to safety issues
Initiative and enterprise	• independently adapt to changing work conditions or different work areas • identify potential improvements to working practice and conditions • identify and assess risks in the workplace
Planning and organising	• manage time and priorities to complete work • identify and obtain appropriate equipment and permits • identify potential hazards and prepare appropriate responses • follow procedures and techniques relevant to the equipment and work being done
Self-management	• take responsibility for planning and organising own work priorities and completing assigned tasks • monitor own performance to ensure work will be completed well and on time • understand the standard of work expected at a work site
Learning	• be willing to learn new ways of working

	• seek information to improve performance from people and workplace documents like policies, procedures etc • understand equipment characteristics, technical capabilities, limitations and procedures
Technology	• use technology to monitor and report on work progress • use communications technology appropriate to the workplace (email, mobile, radio, etc) • operate equipment safely

Packaging Rules

Requirements for completion of the qualification

The following table provides the packaging rules for this qualification, followed by the list of relevant units of competency.

Successful completion of ten (10) units of competency made up of:

- five (5) Core units, and
- five (5) elective units of which:
- at least three (3) must come from the Group A electives listed below
- up to two (2) from the Group B electives listed below
- up to one (1) unit may come from AQF level II or III in this, or any other Training Package.

Units of competency chosen must be relevant to the competency requirements.

Care must be taken to ensure that all prerequisites specified within imported units, or units chosen as electives, are complied with.

Core units of competency	
Unit code	*Unit title*
BSBSUS201A	Participate in environmentally sustainable work practices
RIICOM201A	Communicate in the workplace
RIIOHS201A	Work safely and follow OHS policies and procedues
RIIQUA201A	Maintain and monitor site quality standards
RIIRIS201B	Conduct local risk control
Group A electives	
Unit code	*Unit title*
BSBWOR203B	Work effectively with others
RIIBEF202A	Identify and rectify site operating problems
RIIBLA201A	Support shotfiring operations
RIIBLA205A	Store, handle and transport explosives
RIIMPO201A	Operate roller/compactor underground
RIIMPO202A	Undertake towing underground
RIIMPO333	Conduct underground load, haul and dump operations

RIIMPO210A	Conduct underground truck operations
RIIPEO201B	Conduct conveyor operations
RIISAM203B	Use hand and power tools
RIISAM205A	Cut, weld and bend materials
RIISRM302B	Conduct stockpile reclaiming operations
RIIUMM201A	Install ground support
RIIUMM202A	Install and maintain vent
RIIUMM203A	Prepare and perform manual scaling operations
RIIUMM301A	Conduct wet filling activities
RIIUMM305A	Install and remove a secondary fan
RIIUND201A	Install, maintain and recover reticulation systems
RIIUND202A	Operate from elevated work platform underground
RIIUND310	Apply shot-crete underground
RIIUND204A	Refuel vehicles/machines underground
RIIUND208A	Conduct skip operations
RIIUND209A	Operate automated winder
RIIUND302A	Conduct cage operations
RIIVEH203B	Operate light vehicle underground
RIIWMG202A	Conduct dewatering operations in underground mining operations

Group B electives

Unit code	*Unit title*
HLTFA301C	Apply first aid
RIIBEF201B	Plan and organise work

RIIBLA202A	Support underground shotfiring operations
RIIBLA203B	Conduct mobile mixing of explosives
RIIERR203B	Escape from a hazardous situation unaided
RIIERR205A	Apply initial response First Aid
RIIENV202A	Suppress airborne contaminants
RIIHAN201A	Operate a forklift
RIIHAN203A	Conduct lifting operations
RIIHAN206A	Transport plant, equipment and personnel
RIIHAN207A	Operate personnel and materials hoists
RIIHAN208A	Perform dogging
RIIHAN209A	Perform basic rigging
RIIHAN210A	Perform intermediate rigging operations
RIIHAN212A	Conduct non-slewing crane operations
RIIHAN305A	Operate a gantry or overhead crane
RIIMPO332A	Conduct operations with skid steer loader
RIIOHS202A	Enter and work in confined spaces
RIIOHS204A	Work safely at heights
RIISAM202A	Isolate and access plant
RIISAM207A	Apply operational maintenance skills
RIISAM212A	Service mine plant and equipment
RIISAM301A	Test operational functions of vehicles and equipment
RIIVEH306A	Operate mine service vehicle

RII20509 Certificate II in Resource Processing

Modification History

Not applicable.

Description

This qualification reflects the role of individuals working in a metal processing facility or a coal preparation plant, performing mainly routine, operational tasks using limited practical skills and fundamental operational knowledge, in a defined context under direct supervision.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

The following table includes a summary of the employability skills as identified by the resources and infrastructure industry for this qualification. The table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes required here are broad industry requirements that may vary depending on packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	• speak clearly and directly • listen carefully to instructions and information • read and interpret work instructions and safety signs • calculate basic weights, distances and volumes • complete incident and maintenance reports • adjust communication style to meet the needs of people with diverse backgrounds
Teamwork	• apply teamwork in a range of situations, particularly in a safety context • contribute to the planning and execution of operations • work cooperatively with people of different ages, gender, race, religion or political persuasion and people with disability • recognise and respond sensitively to people from culturally and linguistically diverse backgrounds
Problem-solving	• adjust work methods in response to changing weather and site conditions • participate in team solutions to safety issues
Initiative and enterprise	• independently adapt to changing work conditions or different work areas • identify potential improvements to working practice and conditions • identify and assess risks in the workplace
Planning and organising	• manage time and priorities to complete work • identify and obtain appropriate equipment and permits • identify potential hazards and prepare appropriate responses • follow procedures and techniques relevant to the equipment and work being done
Self-management	• take responsibility for planning and organising own work priorities and completing assigned tasks

	• monitor own performance to ensure work will be completed well and on time • understand the standard of work expected at a work site
Learning	• be willing to learn new ways of working • seek information to improve performance from people and workplace documents like policies, procedures etc • understand equipment characteristics, technical capabilities, limitations and procedures
Technology	• use technology to monitor and report on work progress • use communications technology appropriate to the workplace (email, mobile, radio, etc) • operate equipment safely

Packaging Rules

Requirements for completion of the qualification

The following table provides the packaging rules for this qualification, followed by the list of relevant units of competency.

Note about regulations: RIIERR302A is Mandatory in NSW.

Successful completion of ten (10) units of competency made up of:

- five (5) Core units, and
- five (5) elective units of which:
- at least four (4) must come from the Group A electives listed below
- up to one (1) from the Group B electives listed below, or from AQF level II or III level in this, or any other Training Package.

Units of competency chosen must be relevant to the competency requirements for the job function.

Care must be taken to ensure that all prerequisites specified within imported units, or units chosen as electives, are complied with.

Core units of competency	
Unit code	*Unit title*
BSBSUS201A	Participate in environmentally sustainable work practices
RIICOM201A	Communicate in the workplace
RIIOHS201A	Work safely and follow OHS policies and procedures
RIIRIS201B	Conduct local risk control
	And either
RIIQUA201A	Maintain and monitor site quality standards
	OR

RIIGOV201A	Comply with site work processes/procedures (Coal)
Group A electives	
Unit code	*Unit title*
MSAPMSUP101A	Clean workplace or equipment
PMAOPS202B	Operate fluid mixing equipment
PMAOPS205B	Operate heat exchangers
PMAOPS206B	Operate separation equipment
PMAOPS207B	Operate powered separation equipment
PMAOPS208B	Operate chemical separation equipment
PMAOPS223B	Operate and monitor valve systems
PMAOPS230B	Monitor, operate and maintain pipeline stations and equipment
PMAOPS307B	Transfer bulk fluids into/out of storage facility
MSL973001A	Perform basic tests
RIIERR302A	Respond to local emergencies and incidents *(**Mandatory in NSW**)*
RIIMCP202A	Conduct rail dispatch operations
RIIMEX203B	Break oversize rock
RIIMPG201A	Connect and disconnect reefer units
RIIMPO206B	Conduct bulk water truck operations
RIIMPO208A	Operate support equipment
RIIMPO305B	Conduct coal stockpile dozer operations
RIIMPO306A	Operate plant/machinery on live stockpiles
RIIMPO308B	Conduct tracked dozer operations
RIIMPO331A	Conduct operations with stockpile dozer

RIIPBE201A	Conduct aeration process
RIIPBE202A	Conduct digestion process
RIIPBE203A	Conduct precipitation operations
RIIPBE204A	Conduct reduction process
RIIPBE205B	Conduct roasting operations
RIIPBP202A	Conduct air cleaning activities
RIIPEO201B	Conduct conveyor operations
RIIPEO203B	Conduct stacker operations
RIIPEO204A	Conduct shore side mooring operations
RIIPEO205A	Conduct ship loading operations
RIIPGP201A	Conduct pump operations
RIIPGP202A	Handle reagents
RIIPGP203A	Operate compressors
RIIPGP204A	Carry out bore-field operations
RIIPGP205A	Handle, store and use cyanide
RIIPHA201A	Operate raw material feed systems
RIIPRE201A	Conduct solvent extraction
RIIPRE202A	Prepare and carry out electrolytic cleaning process
RIIPRE203A	Prepare for sintering activities
RIIPRE204A	Sinter materials
RIIPRO201A	Conduct crushing operations
RIIPRO202A	Conduct screening and conveying operations
RIIPRO204A	Bulk package and store product

RIIPRO205A	Conduct blending plant operations
RIIPRO301C	Conduct crushing and screening plant operations
RIIPSM201A	Tap furnaces
RIIPSM202A	Prepare for pelletising activities
RIIPSM203A	Produce pellets
RIISRM302B	Conduct stockpile reclaiming operations
RIISAM214A	Provide support to electrical tradesperson
RIIWBP201A	Treat and dispose of rejects and tailings
RIIWBP202A	Distribute tailings
RIIWBP203B	Monitor tailings dam environment
Group B electives	
Unit code	*Unit title*
BSBITU101A	Operate a personal computer
RIIBEF201B	Plan and organise work
RIIENV202A	Suppress airborne contaminants
RIIERR201A	Conduct fire team operations
RIIERR205A	Apply initial response First Aid
RIIHAN201A	Operate a forklift
RIIHAN203A	Conduct lifting operations
RIIHAN204A	Load and unload cargo/goods
RIIHAN205A	Secure cargo
RIIHAN206A	Transport plant, equipment and personnel
RIIHAN208A	Perform dogging

RIIHAN209A	Perform basic rigging
RIIHAN210A	Perform intermediate rigging operations
RIIHAN212A	Conduct non-slewing crane operations
RIIMCP301A	Monitor coal preparation plant operations
RIIOHS202A	Enter and work in confined spaces
RIIOHS204A	Work safely at heights
RIIPBP302A	Control acid plant operations
RIISAM202A	Isolate and access plant
RIISAM205A	Cut, weld and bend materials
RIISAM207A	Apply operational maintenance skills
RIISAM208A	Perform plant operational maintenance
RIISAM212A	Service mine plant and equipment
RIISTD202A	Collect routine site samples

RII20609 Certificate II in Mining Field/Exploration Operations

Modification History

Not applicable.

Description

This qualification reflects the role of an employee working in a mining exploration team or working as a pit technician, who undertakes a prescribed range of functions involving known routines and procedures and who takes some responsibility for the quality of work outcomes.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

The following table includes a summary of the employability skills as identified by the resources and infrastructure industry for this qualification. The table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes required here are broad industry requirements that may vary depending on packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	• speak clearly and directly • listen carefully to instructions and information • read and interpret work instructions and safety signs • calculate basic weights, distances and volumes • complete incident and maintenance reports • adjust communication style to meet the needs of people with diverse backgrounds
Teamwork	• apply teamwork in a range of situations, particularly in a safety context • contribute to the planning and execution of operations • work cooperatively with people of different ages, gender, race, religion or political persuasion and people with disability • recognise and respond sensitively to people from culturally and linguistically diverse backgrounds
Problem-solving	• adjust work methods in response to changing weather and site conditions • participate in team solutions to safety issues
Initiative and enterprise	• independently adapt to changing work conditions or different work areas • identify potential improvements to working practice and conditions • identify and assess risks in the workplace
Planning and organising	• manage time and priorities to complete work • identify and obtain appropriate equipment and permits • identify potential hazards and prepare appropriate responses • follow procedures and techniques relevant to the equipment and work being done
Self-management	• take responsibility for planning and organising own work priorities and completing assigned tasks • monitor own performance to ensure work will be completed well and on time

	• understand the standard of work expected at a work site
Learning	• be willing to learn new ways of working
	• seek information to improve performance from people and workplace documents like policies, procedures etc
	• understand equipment characteristics, technical capabilities, limitations and procedures
Technology	• use technology to monitor and report on work progress
	• use communications technology appropriate to the workplace (email, mobile, radio, etc)
	• operate equipment safely

Packaging Rules

Requirements for completion of the qualification

The following table provides the packaging rules for this qualification, followed by the list of relevant units of competency.

Successful completion of fourteen (14) units of competency made up of:

- ten (10) Core units, and
- four (4) elective units of which:
- at least two (2) must come from the Group A electives listed below
- up to two (2) from the Group B electives listed below
- up to one (1) unit may come from AQF level II or III level in this, or any other Training Package or accredited course.

Units of competency chosen must

- be relevant to the competency requirements for the job function
- reflect the competency profile for the occupation at the enterprise level
- in the case of accredited course units of competency, not duplicate in part or in whole any unit from a Training Package.

Care must be taken to ensure that all prerequisites specified within imported units, or units chosen as electives, are complied with.

Core units of competency	
Unit code	*Unit title*
RIIOHS201A	Work safely and follow OHS policies and procedures
RIIENV201A	Identify and assess environmental and heritage concerns
HLTFA301C	Apply first aid
RIICOM201A	Communicate in the workplace
RIIEGS201A	Operate in isolated and remote situations
RIIEGS202B	Conduct field work
RIIQUA201A	Maintain and monitor site quality standards
RIIRIS201B	Conduct local risk control
RIISTD202A	Collect routine site samples
RIIVEH305A	Operate and maintain a four wheel drive vehicle
Group A electives	
Unit code	*Unit title*

CPPSIS3016A	Provide field support services
AHCNAR303A	Carry out natural area restoration works
RIIEGS301A	Operate and maintain instruments and field equipment
RIIEGS304A	Mobilise equipment and materials
RIIEGS305B	Navigate in a remote or trackless areas
AHCSAW201A	Conduct erosion and sediment control activities
AHCNAR303A	Implement revegetation works
AHCSAW301A	Construct conservation earthworks
Group B electives	
Unit code	*Unit title*
BSBITU101A	Operate a personal computer
BSBSUS201A	Participate in environmentally sustainable work practices
HLTFA402C	Apply advanced first aid