Modification History

Release	Comments
Release 2	This version released with PPM Pulp and Paper Manufacturing Training Package Version 2.0
Release 1	This version released with PPM Pulp and Paper Manufacturing Training Package Version 1.0.

PPM40116	**Certificate IV in Pulping Operations**

Qualification Description

This qualification describes the skills and knowledge of individuals who perform high level technical production roles in a pulping operation. Work activities involve the application of technical skills and detailed knowledge using discretion and judgement. Individuals in these roles are generally pivotal to the production process, providing complex technical advice and support to a team. They would be expected to apply detailed technical knowledge to solve a range of complex problems relating to equipment, process, output and quality. Work would be carried out independently under general or limited supervision.

Job roles

A key focus of the qualification, and therefore vocational outcomes, is on skills for troubleshooting and rectifying production pulping production processes, and will reflect the duties of a senior operator/technician or production specialist in one or more of the following areas:
Pulping operations; waste paper recycling; primary resources operations; stock preparation and handling; fibre preparation

Co-located job roles

Electricity Generation/Turbine; Steam Generation/Boilerhouse; Water Services; Chemical Recovery; Chemical Preparation

Licensing, legislative, regulatory, or certification requirements apply to some units in this qualification in some states and territories at the time of publication and may differ according to jurisdiction.

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

To achieve this qualification, competency must be demonstrated in:
* 10 units of competency:
    * 6 core units plus
    * 4 elective units.

Elective units must ensure the integrity of the qualification's Australian Qualification Framework (AQF) alignment and contribute to a valid, industry-supported vocational outcome.

All units within at least one Industry Specific group must be selected. Remaining electives may be selected from the Elective Units list and can include up to **two (2)** units from an endorsed Training Package or State/Territory accredited course.

In the Steam Generation sector, if the type of equipment used denotes that a High Risk Work Licence is required, the unit MSMBLIC002 must be used. For equipment use that does not require a High Risk Work Licence, the PPMSTM units may be used.

Core Units

MEM12024A	Perform computations
MSMENV472	Implement and monitor environmentally sustainable work practices
PPMPRS320	Solve systemic problems in the workplace

PPMQAS420	Co-ordinate in-process quality assurance
PPMWHS320	Maintain WHS processes
TLIE4006	Collect, analyse and present workplace data and information

Industry Specific Elective Units

Chemical recovery operations

| PPMREC440 | Troubleshoot and rectify chemical recovery operations |

Electrical power generation

| PPMEPG440 | Troubleshoot and rectify power generation system |

Pulping operations

| PPMPUL440 | Troubleshoot and rectify pulping processes |

Steam Generation

MSMBLIC002	Licence to operate an advanced boiler
OR	
PPMSTM440	Troubleshoot and rectify boiler plant systems

Stock preparations operations

| PPMSPR440 | Troubleshoot and rectify stock preparation systems |

Waste paper operations

| PPMWPO440 | Troubleshoot and rectify waste paper operations |

Elective Units

Business support

BSBCMM401	Make a presentation
BSBFLM305	Support operational plan
BSBFLM309	Support continuous improvement systems and processes
BSBFLM311	Support a workplace learning environment
BSBLDR402	Lead effective workplace relationships
BSBLDR403	Promote team effectiveness
BSBREL401	Establish networks
BSBRSK401	Identify risk and apply risk management processes
BSBWRK409	Prepare for and participate in dispute resolution
MSMSUP382	Provide coaching/mentoring in the workplace
PPMQAS430	Oversee quality assurance process

Coated paper processes

| PPMCPP440 | Troubleshoot and rectify coated paper processes |

Computer / process control equipment

| PPMCSK310 | Operate process control equipment |

Emergency procedures / safety

| BSBWHS401 | Implement and monitor WHS policies, procedures and programs to meet legislative requirements |
| BSBWHS402 | Assist with compliance with WHS laws |

BSBWHS403	Contribute to implementing and maintaining WHS consultation and participation processes
BSBWHS404	Contribute to WHS hazard identification, risk assessment and risk control
BSBWHS405	Contribute to implementing and maintaining WHS management systems
BSBWHS409	Assist with workplace monitoring processes
BSBWHS510	Contribute to implementing emergency procedures
MSMWHS110	Follow emergency response procedures
PPMWHS410	Identify, assess and control WHS risk in own work

Environmental monitoring

PPMENV320	Monitor and control environmental hazards

First aid

MSAPMOHS220A	Provide initial First Aid response

Laboratory operations

MSL904002	Perform standard calibrations

Load shifting

PPMMHV210	Operate overhead crane
TLID2003	Handle dangerous goods/hazardous substances
TLID2010	Operate a forklift
TLID2013	Move materials mechanically using automated equipment
TLID2047	Prepare cargo for transfer with slings
TLID3011	Conduct specialised forklift operations
TLID3024	Use specialised liquid bulk transfer equipment (gravity/pressurised)
TLID3031	Rig load
TLID3035	Operate a boom type elevating work platform

Numeracy

MSS404052	Apply statistics to operational processes
PPMNUM430	Calculate and analyse production and financial performance

Planning and organising

BSBADM405	Organise meetings
BSBADM407	Administer projects
MEM14005A	Plan a complete activity
MEM30020A	Develop and manage a plan for a simple manufacturing related project
PPMPLN420	Plan a complex activity

Production support

MEM18011C	Shut down and isolate machines/equipment
MSS402020	Apply quick changeover procedures
MSS402040	Apply 5S procedures
MSS402050	Monitor process capability
MSS403002	Ensure process improvements are sustained
MSS403011	Facilitate implementation of competitive systems and practices
MSS403032	Analyse manual handling processes

MSS403040	Facilitate and improve implementation of 5S
MSS403051	Mistake proof an operational process
PPMPRV320	Co-ordinate and direct clothing changes

Quality

MSMSUP400	Develop and monitor quality systems

Sustainability

FWPCOT3260	Maintain and contribute to energy efficiency
MSS014003	Optimise sustainability of a process or plant area
TLIU4001	Implement and monitor environmental protection policies and procedures

Training and assessment

TAEASS301	Contribute to assessment
TAEASS401	Plan assessment activities and processes
TAEASS402	Assess competence
TAEASS403	Participate in assessment validation
TAEASS502	Develop assessment tools
TAEASS505	Lead and coordinate assessment systems and services
TAEDEL401	Plan, organise and deliver group-based learning
TAEDEL402	Plan, organise and facilitate learning in the workplace
TAEDEL404	Mentor in the workplace
TAEDES401	Design and develop learning programs
TAEDES402	Use training packages and accredited courses to meet client needs
TAEDES502	Design and develop learning resources
TAETAS501	Undertake organisational training needs analysis

Turbine operations

UEPOPS411B	Run up a steam turbine
UEPOPS419B	Shut down a steam turbine

Workplace health and safety

PPMWHS420	Manage WHS processes

Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPM40116 Certificate IV in Pulping Operations Release 2	PPM40116 Certificate IV in Pulping Operations Release 1	Electives relating to Boiler Operations updated	Equivalent qualification

Links

Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=12998f8d-d0ac-40bc-a69e-72a600d4fd93