



**Australian Government**

# **PPM20216 Certificate II in Papermaking Operations**

**Release 2**

## PPM20216 Certificate II in Papermaking Operations

### 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. |

### Qualification Description

This qualification describes the skills and knowledge of individuals who perform production support roles in a papermaking operation. Work activities are mainly routine and involve the application of fundamental operational skills and knowledge in a defined context and range of situations. Individuals in these roles generally work under direct supervision. They would be expected to apply knowledge to solve a limited range of predictable problems by applying familiar solutions.

#### Job roles

A key focus of the qualification, and therefore vocational outcomes, is on skills for providing operations support, mainly through monitoring and controlling papermaking and ancillary equipment and processes, and will reflect the duties of a Production Support employee in one or more of the following areas:

Machine operation; fibre preparation; stock preparation; winding operations; dryer operation; bale handling; folder operation; rewinding operations; wrapping machine operations; plant support; wet end support; dry end support; paper products machine operations.

#### Co-located job roles

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

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:

- 11 units of competency:
  - 3 core units plus
  - 8 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 MSMBLIC001 must be used. For equipment use that does not require a High Risk Work Licence, the PPMSTM units may be used.

### Core Units

|           |   |
|-----------|---|
| PPMQAS210 | Apply basic quality practices             |
| PPMSUS210 | Apply sustainable work practices/policies |
| PPMWHS210 | Participate in WHS processes              |

### Industry Specific Elective Units

#### Chemical recovery operations

|           |  |
|-----------|--|
| PPMREC210 | Monitor and control chemical recovery operations |
|-----------|--|

#### Coated paper processes

|          |  |
|----------|--|
| PPMCP210 | Monitor and control coated paper processes |
|----------|--|

#### Dry end operations

|           |  |
|-----------|--|
| PPMDEO210 | Monitor and control dry end operations |
|-----------|--|

#### Electrical power generation

|           |   |
|-----------|---|
| PPMEPG210 | Monitor and control power generation system |
|-----------|---|

**Finishing and converting**

|           |   |
|-----------|---|
| PPMFCO210 | Monitor, control and shutdown finishing and converting operations |
|-----------|---|

**Steam Generation**

|            |                                      |
|------------|--------------------------------------|
| MSMBLIC001 | Licence to operate a standard boiler |
| OR         |                                      |
| PPMSTM210  | Monitor and control boiler operation |

**Wet end operations**

|           |  |
|-----------|--|
| PPMWEO210 | Monitor and control wet end operations |
|-----------|--|

**Water services**

|           |                       |
|-----------|-----------------------|
| PPMWAS210 | Operate water systems |
|-----------|-----------------------|

**Warehousing and dispatch**

|           |                              |
|-----------|------------------------------|
| PPMWAR250 | Store product                |
| PPMWAR255 | Prepare and dispatch product |
| PPMWAR280 | Warehouse product packaging  |

**Elective Units****Business support**

|           |   |
|-----------|---|
| PPMREL210 | Contribute to effective working relationships |
| TLIA2022  | Participate in stocktakes                     |

**Chemical preparation**

|           |                           |
|-----------|---------------------------|
| PPMCPR210 | Prepare chemical products |
|-----------|---------------------------|

**Chemical recovery operations**

|           |  |
|-----------|--|
| PPMREC320 | Prepare and start up chemical recovery operations    |
| PPMREC330 | Coordinate and implement chemical recovery shutdowns |

**Coated paper processes**

|           |   |
|-----------|---|
| PPMCCP320 | Prepare and start up coated paper processes       |
| PPMCCP330 | Coordinate the shutdown of coated paper processes |

**Communication**

|           |                                  |
|-----------|----------------------------------|
| BSBCMM101 | Apply basic communication skills |
| BSBCMM201 | Communicate in the workplace     |

**Computer / process control equipment**

|           |  |
|-----------|--|
| MSMOPS212 | Use organisation computers or data systems |
| PPMCSK310 | Operate process control equipment          |

**Dry end operations**

|           |   |
|-----------|---|
| PPMDEO320 | Prepare and start up dry end operations   |
| PPMDEO330 | Coordinate and implement dry end shutdown |

**Electrical power generation**

|           |   |
|-----------|---|
| PPMEPG320 | Manage a power generation system startup    |
| PPMEPG330 | Coordinate power generation system shutdown |

**Emergency procedures / safety**

|           |  |
|-----------|--|
| MSMWHS110 | Follow emergency response procedures     |
| PMAWHS211 | Prepare equipment for emergency response |

**Environmental monitoring**

|           |   |
|-----------|---|
| PPMENV210 | Identify and monitor environmental discharges/emissions |
|-----------|---|

**Finishing and converting**

|           |   |
|-----------|---|
| PPMFCO320 | Prepare and start up finishing and converting operations  |
| PPMFCO340 | Troubleshoot and rectify finishing and converting systems |

**First aid**

|                  |                                    |
|------------------|------------------------------------|
| HLTAID003        | Provide first aid                  |
| MSAPMOHS2<br>20A | Provide initial First Aid response |

**Laboratory operations**

|           |                               |
|-----------|-------------------------------|
| MSL904002 | Perform standard calibrations |
| MSL973013 | Perform basic tests           |

**Load shifting**

|           |   |
|-----------|---|
| PPMMHV210 | Operate overhead crane                                |
| TLID1001  | Shift materials safely using manual handling methods  |
| TLID1002  | Shift a load using manually-operated equipment        |
| TLID2003  | Handle dangerous goods/hazardous substances           |
| TLID2004  | Load and unload goods/cargo                           |
| 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**

|           |                                      |
|-----------|--------------------------------------|
| MSS402030 | Apply cost factors to work practices |
| PPMNUM210 | Estimate and calculate basic data    |

**Ordering / distribution / storage**

|           |   |
|-----------|---|
| MEM11016B | Order materials                                 |
| PPMPUL250 | Store and distribute pulped product             |
| TLIA2012  | Pick and process orders                         |
| TLIA3016  | Use inventory systems to organise stock control |

**Planning and organising**

|           |                                   |
|-----------|-----------------------------------|
| PPMPLN210 | Plan and undertake a routine task |
|-----------|-----------------------------------|

**Preventative maintenance / operator maintainer**

|           |   |
|-----------|---|
| MSS402081 | Contribute to the application of a proactive maintenance strategy |
| PPMPRM210 | Undertake operator level preventative maintenance                 |
| PPMPRM220 | Perform lubrication   |

**Primary resource operations**

|           |                   |
|-----------|-------------------|
| PPMRES260 | Receive materials |
|-----------|-------------------|

|           |                  |
|-----------|------------------|
| PPMRES270 | Unload materials |
|-----------|------------------|

**Production support**

|           |  |
|-----------|--|
| MSS402020 | Apply quick changeover procedures              |
| MSS402040 | Apply 5S procedures                            |
| MSS402050 | Monitor process capability                     |
| PPMPRS210 | Identify and rectify problems in the workplace |
| PPMPRV210 | Operate ancillary equipment                    |

**Security**

|                 |  |
|-----------------|--|
| CPPSEC2011<br>B | Control access to and exit from premises |
| CPPSEC2015<br>A | Patrol premises                          |

**Steam Generation**

|            |                                       |
|------------|---------------------------------------|
| MSMBLIC001 | Licence to operate a standard boiler  |
| MSMBLIC002 | Licence to operate an advanced boiler |
| PPMSTM320  | Manage steam boiler startup           |
| PPMSTM330  | Shut down and bank steam boiler       |

**Sustainability**

|            |  |
|------------|--|
| FWPCOT3263 | Maintain and contribute to energy efficiency                           |
| TLIU4001   | Implement and monitor environmental protection policies and procedures |

**Training and assessment**

|           |                          |
|-----------|--------------------------|
| TAEASS301 | Contribute to assessment |
|-----------|--------------------------|



|         |                                |
|---------|--------------------------------|
| TAED301 | Provide work skill instruction |
|---------|--------------------------------|

#### Water services

|           |  |
|-----------|--|
| PPMWAS340 | Troubleshoot and rectify water systems |
|-----------|--|

#### Wet end operations

|           |   |
|-----------|---|
| PPMWEO320 | Prepare and start up wet end operations   |
| PPMWEO330 | Coordinate and implement wet end shutdown |

#### Workplace health and safety

|           |                             |
|-----------|-----------------------------|
| PPMWHS310 | Contribute to WHS processes |
|-----------|-----------------------------|

### Qualification Mapping Information

| Code and title current version  | Code and title previous version   | Comments  | Equivalence status       |
|---|---|---|--------------------------|
| PPM20216<br>Certificate II in<br>Papermaking<br>Operations<br>Release 2 | PPM20216<br>Certificate II in<br>Papermaking<br>Operations Release<br>1 | Electives relating to<br>Boiler Operations<br>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>