Modification History

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

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| PPM40216 | Certificate IV in Papermaking Operations |
| Qualification Description  This qualification describes the skills and knowledge of individuals who perform high level technical production roles in a papermaking 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 papermaking production processes, and will reflect the duties of a senior operator/technician or production specialist in one or more of the following areas:  Fibre/stock preparation and handling; wet end operations; dry end operations; coated paper treatments; finishing and converting; winding and rewinding; quality testing  **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.  Core Units   |  |  | | --- | --- | | PPMPRS320 | Solve systemic problems in the workplace | | TLIE4006A | Collect, analyse and present workplace data and information | | PPMWHS320 | Maintain WHS processes | | PPMQAS420 | Co-ordinate in-process quality assurance | | MEM12024A | Perform computations | | MSAENV472B | Implement and monitor environmentally sustainable work practices |   Industry Specific Elective Units   |  |  | | --- | --- | | **Boiler Operations** |  | | MSMBLIC001 | Licence to operate a standard boiler | | MSMBLIC002 | Licence to operate an advanced boiler | | **Chemical recovery operations** |  | | PPMREC440 | Troubleshoot and rectify chemical recovery operations | | **Coated paper processes** |  | | PPMCPP440 | Troubleshoot and rectify coated paper processes | | **Dry end operations** |  | | PPMDEO440 | Troubleshoot and rectify dry end systems | | **Electrical power generation** |  | | PPMEPG440 | Troubleshoot and rectify power generation system | | **Finishing and converting** |  | | PPMFCO340 | Troubleshoot and rectify finishing and converting systems | | **Wet end operations** |  | | PPMWEO440 | Troubleshoot and rectify wet end systems |   Elective Units   |  |  | | --- | --- | | **Boiler Operations** |  | | MSMBLIC001 | Licence to operate a standard boiler | | MSMBLIC002 | Licence to operate an advanced boiler | | **Business support** |  | | PPMQAS430 | Oversee quality assurance process | | BSBCMM401 | Make a presentation | | BSBFLM305 | Support operational plan | | BSBFLM309 | Support continuous improvement systems and processes | | BSBFLM311 | Support a workplace learning environment | | BSBREL401 | Establish networks | | BSBRSK401 | Identify risk and apply risk management processes | | BSBLDR402 | Lead effective workplace relationships | | BSBLDR403 | Promote team effectiveness | | BSBWRK402A | Empower workers | | BSBWRK403A | Communicate with workers | | BSBWRK404A | Promote equality of opportunity and fair treatment for all workers | | BSBWRK406A | Participate in the bargaining process | | BSBWRK407A | Provide advice to union members | | BSBWRK408A | Undertake negotiations | | BSBWRK409 | Prepare for and participate in dispute resolution | | MSAPMSUP382A | Provide coaching/mentoring in the workplace | | **Coated paper processes** |  | | PPMCPP210 | Monitor and control coated paper processes | | PPMCPP320 | Prepare and start up coated paper processes | | PPMCPP330 | Co-ordinate the shutdown of coated paper processes | | **Computer / process control equipment** |  | | PPMCSK310 | Operate process control equipment | | **Emergency procedures / safety** |  | | PPMWHS410 | Identify, assess and control WHS risk in own work | | 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 | | PPMWHS410 | Identify, assess and control WHS risk in own work | | MSAPMOHS110A | Follow emergency response procedures | | **Environmental monitoring** |  | | PPMENV320 | Monitor, control and shutdown finishing and converting operations | | **First aid** |  | | MSAPMOHS220A | Provide initial first aid response | | **Laboratory operations** |  | | MSL904001 | Perform standard calibration | | **Load shifting** |  | | PPMMHV210 | Operate overhead crane | | TLID2010 | Operate a forklift | | TLID3011 | Conduct specialised forklift operations | | TLID2013 | Move materials mechanically using automated equipment | | TLID3024 | Use specialised liquid bulk transfer equipment (gravity/pressurised) | | TLID2003 | Handle dangerous goods/hazardous substances | | TLID3031 | Rig load | | TLID3035 | Operate a boom type elevating work platform | | TLID2047 | Prepare cargo for transfer with slings | | **Numeracy** |  | | PPMNUM210 | Estimate and calculate basic data | | MSS404052 | Apply statistics to operational processes | | **Planning and organising** |  | | BSBADM405 | Organise meetings | | MEM14005A | Plan a complete activity | | MEM30020A | Develop and manage a plan for a simple manufacturing related project | | PPMPLN420 | Plan a complex activity | | PSPPM402B | Manage simple projects | | **Production support** |  | | PPMPRV320 | Co-ordinate and direct clothing changes | | MEM18011C | Shut down and isolate machines/equipment | | MSS403001A | Implement competitive systems and practices | | MSS403011A | Facilitate implementation of competitive systems and practices | | MSS403002A | Ensure process improvements are sustained | | MSS402020A | Apply quick changeover procedures | | MSS402040A | Apply 5S procedures | | MSS402050A | Monitor process capability | | MSS403032A | Analyse manual handling processes | | MSS403040A | Facilitate and improve implementation of 5S | | MSS403051A | Mistake proof an operational process | | **Quality** |  | | MSAPMSUP400A | Develop and monitor quality systems | | **Sustainability** |  | | MSACMT270A | Use sustainable energy practices | | MSACMT271A | Use sustainable environmental practices | | MSS014003A | Optimise sustainability of a process or plant area | | **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 | | TAEASS505A | 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 | | TAETAS501 | Undertake organisational training needs analysis | | TAEDES502 | Design and develop learning resources | | Turbine operations |  | | UEPOPS341A | Shut down a steam turbine | | UEPOPS411B | Run up a steam turbine | | **Waste paper operations** |  | | PPMWPO210 | Monitor and control waste paper operations | | PPMWPO440 | Troubleshoot and rectify waste paper operations | | **Workplace health and safety** |  | | PPMWHS420 | Manage WHS processes | | |

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| Qualification Mapping Information   | Code and title current version | Code and title previous version | Comments | Equivalence status | | --- | --- | --- | --- | | PPM40216 Certificate IV in Papermaking Operations | PPM40216 Certificate IV in Papermaking Operations | Electives relating to Boiler Operations updated | Equivalent qualification | |
| Links  Companion Volume Implementation Guide - http://www.skillsimpact.com.au/pulp-and-paper/skills-standards-and-qualifications/ |