Pulp and Paper Manufacturing Review Project

Summary of Validation Feedback, Responses and Actions

July 2021

This project includes the review of seven qualifications, 80 units of competency and ten skill sets within the PPM Pulp and Paper Manufacturing Training Package, so they reflect current technology, terminology and processes. The final draft materials were developed as a result of feedback provided by stakeholders and Subject Matter Experts (SMEs) during the validation period 7 – 27 June 2021.

A validation meeting was held on the 24 June 2021 where all documents were validated through this process.

Validation feedback was also received from a variety of stakeholders around the country via phone, emails, the feedback hub and virtual meeting. The table below provides an overview of the groups and jurisdictions that have provided feedback during this phase of the project.

	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	National
Industry (employer/ employee)		■			■	■	■		
Industry association									■
Union									■
Registered Training Organisation (RTO)							■		
Government department									

The table above is reflective of the Australian Pulp and Paper Manufacturing Industry which is mainly concentrated in Victoria, New South Wales, Tasmania, and South Australia.

Fifteen stakeholders provided feedback at this stage of the project, and below is a summary of outstanding issues raised and how these issues have been dealt with. This involves a consideration of the information provided, views of industry stakeholders and from people who are part of the Subject Matter Expert Working Group process. Resolutions are constructed to consider the needs and views of stakeholders to the extent possible, and to comply with the Standards for Training Package 2012. The resolutions may represent a compromise on one or more stakeholder views with the aim of a workable outcome for industry, State and Territory Training Authorities (STAs) and training providers.

Acronyms - PC – Performance Criteria, PE – Performance Evidence, KE – Knowledge Evidence, AC – Assessment Conditions, SME – Subject Matter Expert, SME WG - Subject Matter Expert Working Group, PPM – Pulp and Paper Manufacturing.

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Summary of Validation Feedback on Qualifications

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
PPM20121 Certificate II in Pulp and Paper Operations		
Industry, SA	Via validation survey Supported, with minor change Unit PPMMHV201 Operate mobile crane appears twice	*PPMMHV201 Operate mobile crane* removed from general elective list and now only appears within Group A units.
Industry, VIC, NSW	Via validation meeting Supported without changes	Confirmation this qualification meets industry requirements. This qualification will now proceed to project finalisation stages, with above amendment.
PPM30121 Certificate II in Pulp and Paper Operations		
Industry SA, VIC, NSW	Via validation meeting Supported without changes	Confirmation this qualification meets industry requirements. This qualification will now proceed to project finalisation stages.
PPM40121 Certificate IV in Pulp and Paper Operations		
Industry SA, VIC, NSW	Via validation meeting Supported without changes	Confirmation this qualification meets industry requirements. This qualification will now proceed to project finalisation stages.
PPM50121 Diploma of Pulp and Paper Operations Management		
RTO, VIC	Via email Supported, with minor change Code error. Mapping from previous incorrect code FPP50116 should be PPM	Previous code corrected to read PPM50116.
Industry SA, VIC, NSW	Via validation meeting Supported without changes	Confirmation this qualification meets industry requirements. This qualification will now proceed to project finalisation stages, with above amendment.

Summary of Validation Feedback on Skill Sets

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
PPMSS00011 Pulp and Paper Manufacturing Industry Induction Skill Set PPMSS00020 De-inking Operations Skill Set PPMSS00021 Pulp and Paper Manufacturing Industry Leadership Skill Set		
Industry VIC, NSW, SA	Via validation meeting New skill sets approved at validation meeting June 24, 2021	Confirmation new skill sets meet industry requirements. These skill sets will now proceed to project finalisation stages.
PPMSS00012 Chemical Recovery Skill Set PPMSS00013 Converting Paper Products Skill Set Skill Set PPMSS00014 Paper Finishing and Converting Skill Set PPMSS00015 Papermaking Dry End Operations Skill Set PPMSS00016 Papermaking Wet End Operations Skill Set PPMSS00017 Pulping Stock Preparation Skill Set PPMSS00018 Warehousing Paper Products Skill Set PPMSS00019 Recovered Fibre Operations Skill Set		
Industry VIC, NSW, SA	Via validation meeting Revised skill sets approved at validation meeting June 24, 2021	Confirmation revised skill sets meet industry requirements. These skill sets will now proceed to project finalisation stages.

Summary of Validation Feedback on Units of Competency

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
PPMDEO201 Monitor and control dry end operations PPMDEO301 Perform dry end operations PPMDEO401 Troubleshoot and rectify dry end systems		
Industry SA, VIC, NSW	Via validation meeting Revised DEO units approved at validation meeting June 24, 2021	Confirmation that revised DEO units meet industry requirements. These units will now proceed to project finalisation stages.
PPMCSK301 Operate process control equipment		

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
RTO, VIC	Via email Supported, with clarification needed Equivalency question. There are two more PCs in element 1 (1.1 and 1.2) not related to previous version shift handover and hazards. Do these unit map in outcomes?	Equivalence status changed to 'Not equivalent'.
Industry SA, VIC, NSW	Via validation meeting Revised CSK unit approved at validation meeting June 24, 2021	Confirmation that revised CSK unit meets industry requirements with above amendment. This unit will now proceed to project finalisation stages.
PPMCPR301 Operate chemical systems		
Industry SA, VIC, NSW	Via validation meeting Revised CPR unit approved at validation meeting June 24, 2021	Confirmation that revised CPR unit meets industry requirements. This unit will now proceed to project finalisation stages.
PPMDIK201 Monitor and control de-inking operations **PPMDIK301 Perform de-inking operations** **PPMDIK401 Troubleshoot and rectify de-inking operations**		
Industry, NSW	Via phone and email De-inking units appear to align with site operations – technical documents, test sheets and training materials supplied	Information in DIK units of competency are aligned with site operations, however, we couldn't include all the specific detail that is contained in technical documents, test sheets or training materials supplied, as units of competency are required to be broadly expressed as performance standards required in the workplace.
Industry SA, VIC, NSW	Via validation meeting New DIK units approved at validation meeting June 24, 2021	Confirmation that new DIK units meet industry requirements. These units will now proceed to project finalisation stages.
PPMENV201 Identify and monitor environmental discharges and emissions **PPMENV401 Monitor and control environmental hazards**		
Industry SA, VIC, NSW	Via validation meeting Revised ENV units approved at validation meeting June 24, 2021	Confirmation that revised ENV units meet industry requirements. These units will now proceed to project finalisation stages.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
PPMEPG201 Monitor and control power generation systems PPMEPG301 Perform power generation operations PPMEPG401 Troubleshoot and rectify power generation system		
Industry SA, VIC, NSW	Via validation meeting Revised EPG units approved at validation meeting June 24, 2021	Confirmation that revised EPG units meet industry requirements. These units will now proceed to project finalisation stages.
PPMFCO201 Monitor and control paper finishing and converting operations PPMFCO301 Perform paper finishing and converting operations PPMFCO401 Troubleshoot and rectify paper finishing and converting systems		
Industry SA, VIC, NSW	Via validation meeting Revised FCO units approved at validation meeting June 24, 2021	Confirmation that revised FCO units meet industry requirements. These units will now proceed to project finalisation stages.
PPMHRF202 Receive recovered fibre		
RTO, VIC	Via email Supported with minor change PC 2.2 – Typographical error – weight	Typographical error in PC 2.2 corrected.
PPMHRF201 Pack and dispatch recovered fibre PPMHRF202 Receive recovered fibre PPMHRF203 Unload recovered fibre		
Industry SA, VIC, NSW	Via validation meeting Revised HRF units approved at validation meeting June 24, 2021	Confirmation that revised HRF units meet industry requirements, with above amendment to *PPMHRF202 Receive recovered fibre*. These units will now proceed to project finalisation stages.
PPMIND201 Apply principles of pulp and papermaking to work practices PPMIND202 Work effectively in the pulp and paper industry		

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Industry SA, VIC, NSW	Via validation meeting New IND units (level II) approved at validation meeting June 24, 2021	Confirmation that new IND units (AQF indicative level II) meet industry requirements. These units will now proceed to project finalisation stages.
PPMIND501 Evaluate emerging technologies and processes		
Industry SA, VIC, NSW	Via validation meeting New IND unit (level V) approved at validation meeting June 24, 2021	Confirmation that revised IND (AQF indicative level V) unit meets industry requirements. This unit will now proceed to project finalisation stages.
PPMMHV201 Operate mobile crane		
Industry SA, VIC, NSW	Via validation meeting Revised MHV unit approved at validation meeting June 24, 2021	Confirmation that revised MHV unit meets industry requirements. This unit will now proceed to project finalisation stages.
PPMPLN401 Implement production plans		
RTO, VIC	Via email Supported, with minor change Code error in unit mapping information table – FPPPPMPLN420.	Previous code corrected to read PPMPLN420.
Industry SA, VIC, NSW	Via validation meeting Revised PLN unit approved at validation meeting June 24, 2021	Confirmation that revised PLN unit meets industry requirements, with above code correction. This unit will now proceed to project finalisation stages.
PPMPRM201 Undertake operator level preventative maintenance **PPMPRM202 Perform lubrication**		
Industry SA, VIC, NSW	Via validation meeting Revised PRM units approved at validation meeting June 24, 2021	Confirmation that revised PRM units meet industry requirements. These units will now proceed to project finalisation stages.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
PPMPRS301 Identify and rectify operational problems		
Industry SA, VIC, NSW	Via validation meeting Revised PRS unit approved at validation meeting June 24, 2021	Confirmation that revised PRS unit meets industry requirements. This unit will now proceed to project finalisation stages.
PPMPRS401 Solve systemic problems		
RTO, VIC	Via email Supported, with minor change PC 5.1 Develop implantation plans – should that be implementation plans?	PC 5.1 corrected to read, 'Develop implementation plans that identifies resource needs, schedules and performance measures.'
Industry SA, VIC, NSW	Via validation meeting Revised PRS unit approved at validation meeting June 24, 2021	Confirmation that revised PRS unit meets industry requirements, with above amendment. This unit will now proceed to project finalisation stages.
PPMPRV201 Operate ancillary equipment **PPMPRV301 Co-ordinate and direct clothing changes**		
Industry SA, VIC, NSW	Via validation meeting Revised PRV units approved at validation meeting June 24, 2021	Confirmation that revised PRV units meet industry requirements. These units will now proceed to project finalisation stages.
PPMPUL301 Perform pulping operations		
RTO, VIC	Via email Supported, with clarification needed. Clarification of elements 4 and 5 - shut down system. Does this need a state as per other units ' Notify power authorities of planned shutdown according to regulatory requirements' added and 'Isolate and shut down system according to workplace and regulatory requirements' to address the performance required for production operator performance in shutting down systems?	Industry has confirmed that the power generation units are the only operations that require notification to power authorities prior to shut down. This is because they have to let them know they won't be supplying energy to the grid when the power generation system isn't up and running. For pulping operations, shutdown and isolation procedures are conducted according to workplace operating procedures.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
PPMPUL201 Monitor and control pulping operations **PPMPUL202 Store and distribute pulped product** **PPMPUL301 Perform pulping operations** **PPMPUL401 Troubleshoot and rectify pulping processes**		
Industry SA, VIC, NSW	Via validation meeting Revised PUL units approved at validation meeting June 24, 2021	Confirmation that revised PUL units meet industry requirements. These units will now proceed to project finalisation stages.
PPMQAS201 Apply basic quality practices **PPMQAS301 Monitor in-process quality assurance** **PPMQAS401 Oversee quality assurance process** **PPMQAS501 Evaluate production processes for regulatory and quality compliance**		
Industry SA, VIC, NSW	Via validation meeting Revised QAS units approved at validation meeting June 24, 2021	Confirmation that revised QAS units meet industry requirements. These units will now proceed to project finalisation stages.
PPMREC201 Monitor and control chemical recovery operations **PPMREC301 Perform chemical recovery operations** **PPMREC401 Troubleshoot and rectify chemical recovery operations**		
Industry SA, VIC, NSW	Via validation meeting Revised REC units approved at validation meeting June 24, 2021	Confirmation that revised REC units meet industry requirements. These units will now proceed to project finalisation stages.
PPMRES301 Operate the woodchip production system		
RTO, VIC	Via email Supported, with clarification needed. Clarification for elements 4 and 5 - shut down system. Does this need a state as per other units ' Notify power authorities of planned shutdown according to regulatory requirements' added and 'Isolate and shut down system according to workplace and regulatory requirements' to address the performance required for production operator performance in shutting down systems?	Industry has confirmed that the power generation units are the only operations that require notification to power authorities prior to shut down. This is because they have to let them know they won't be supplying energy to the grid when the power generation system isn't up and running. For woodchip production operations, shutdown and isolation procedures are conducted according to workplace operating procedures.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
PPMRES201 Receive materials PPMRES202 Unload materials PPMRES203 Distribute woodchips PPMRES301 Operate woodchip production system PPMRES401 Troubleshoot and rectify primary resource operations		
Industry SA, VIC, NSW	Via validation meeting Revised RES units approved at validation meeting June 24, 2021	Confirmation that revised RES units meet industry requirements. These units will now proceed to project finalisation stages.
PPMRFO201 Monitor and control recovered fibre operations PPMRFO301 Perform recovered fibre operations PPMRFO401 Troubleshoot and rectify recovered fibre operations		
Industry SA, VIC, NSW	Via validation meeting Revised RFO units approved at validation meeting June 24, 2021	Confirmation that revised FRO units meet industry requirements. These units will now proceed to project finalisation stages.
PPMSPR201 Monitor and control stock preparation systems PPMSPR301 Perform stock preparation operations PPMSPR401 Troubleshoot and rectify stock preparation systems		
Industry SA, VIC, NSW	Via validation meeting Revised SPR units approved at validation meeting June 24, 2021	Confirmation that revised SPR units meet industry requirements. These units will now proceed to project finalisation stages.
PPMSTM201 Monitor and control boiler operations PPMSTM301 Perform steam boiler operations PPMSTM401 Troubleshoot and rectify boiler plant systems		
Industry, Tasmania	Via email MSMBLIC002 is the most appropriate one applicable to Boyer and the industry in general, as Pulp and Paper Manufacturing tends to use large capacity boilers that incorporate most equipment (e.g., air-heaters, economisers, superheaters, etc.) that would be covered in the advanced boiler competency	This confirms other feedback that PPM units related to the operation of steam boilers apply only to unattended boilers, which is specified in the application of these units. The unit MSMBLIC002 to be retained in the electives of the qualification PPM Certificate III to cater for large capacity boilers.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
Industry SA, VIC, NSW	Via validation meeting Revised STM units approved at validation meeting June 24, 2021	Confirmation that revised STM units meet industry requirements. These units will now proceed to project finalisation stages.
PPMWAR201 Store product **PPMWAR202 Prepare and dispatch product** **PPMWAR203 Package warehouse product**		
Industry SA, VIC, NSW	Via validation meeting Revised WAR units approved at validation meeting June 24, 2021	Confirmation that revised WAR units meet industry requirements. These units will now proceed to project finalisation stages.
PPMWAS301 Operate water systems **PPMWAS401 Troubleshoot and rectify water systems**		
Industry SA, VIC, NSW	Via validation meeting Revised WAS units approved at validation meeting June 24, 2021	Confirmation that revised WAS units meet industry requirements. These units will now proceed to project finalisation stages.
PPMWE0301 Perform wet end operations **PPMWE0401 Troubleshoot and rectify wet end systems**		
RTO, VIC	Via email Supported, with clarification needed. Element 5, unplanned shut down. Does this need a state as per other units ' Notify power authorities of planned shutdown according to regulatory requirements' added and 'Isolate and shut down system according to workplace and regulatory requirements' to address the performance required for production operator performance in shutting down systems?	Industry has confirmed that the power generation units are the only operations that require notification to power authorities prior to shut down. This is because they have to let them know they won't be supplying energy to the grid when the power generation system isn't up and running. For wet end operations, shutdown and isolation procedures are conducted according to workplace operating procedures.

Stakeholder Comments and Identified Issues		Consideration and Proposed Resolution
PPMWEO201 Monitor and control wet end operations PPMWEO301 Perform wet end operations PPMWEO401 Troubleshoot and rectify wet end systems		
Industry SA, VIC, NSW	Via validation meeting Revised WEO units approved at validation meeting June 24, 2021	Confirmation that revised WEO units meet industry requirements. These units will now proceed to project finalisation stages.
PPMWHS201 Participate in work health and safety processes PPMWHS301 Contribute to work health and safety processes PPMWHS401 Maintain work health and safety processes PPMWHS402 Identify, assess, and control work health and safety risk in own work PPMWHS501 Manage work health and safety processes		
Industry SA, VIC, NSW	Via validation meeting Revised WHS units approved at validation meeting June 24, 2021	Confirmation that revised WHS units meet industry requirements. These units will now proceed to project finalisation stages.