Modification history

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| Release | Comments |
| Release 1 | This version released with PPM Training Package Version 1.0. |

| PPMFCO210 | Monitor, control and shutdown finishing and converting operations |
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| Application | This unit of competency describes the outcomes required to monitor, control and shut down finishing and converting operations in a pulp or paper manufacturing facility.  The unit applies to production operators and technicians who operate and monitor systems, production and product quality as well as conduct equipment shutdowns. This typically involves working in a facility with complex integrated equipment and continuous operations. Finishing and converting operations describe a range of systems and subsystems, including winding and re-winding, decorating, lotionising, calendaring, water marking, perforating, slitting and cutting, embossing, laminating, folding, printing, bonding, core making, wrapping and packing.  No licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Pulp and Paper Manufacturing (PPM) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Operate and monitor processes and systems | 1.1. Check production requirements at start of shift to plan day's activities considering work health and safety (WHS) regulations, environmental and safe working requirements/practices.  1.2. Confirm planned production requirements are confirmed and communicate to relevant personnel in line with standard operating procedures (SOP).  1.3. Monitor and maintain operations and systems within process parameters consistent with production requirements.  1.4. Interpret and respond to monitoring displays and devices.  1.5. Undertake setup for product change. |
| 2. Control product quality and production | 2.1. Monitor and control product to production and quality requirements.  2.2. Conduct routine observations and assessments on product and system operations.  2.3. Make adjustments to control production and quality requirements.  2.4. Interpret and record test results.  2.5. Communicate changes to product requirements to relevant personnel. |
| 3. Conduct equipment shutdown | 3.1. Conduct equipment shutdown according to standard operating procedures.  3.2. Communicate shutdown plan with relevant personnel.  3.3. Carry out shutdown procedures.  3.4. Identify and rectify cause of unplanned.  3.5. Record shutdown details. |
| 4. Record process and system information | 4.1. Record system and production information.  4.2. Record and communicate problems or variations in performance. |

| Foundation Skills  This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria. | |
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| Skill | Description |
| Learning skills to: | * identify and action problems |
| Numeracy skills to: | * use measuring equipment |
| Oral communication skills to: | * respond to problems associated with plant shutdown via radio or telephone and face to face |
| Reading skills to: | * read and interpret documentation including SOP, manuals and checklists, drawings, site maps, signage for safety/access * interpret production requirements and work instruction * interpret instruments, gauges and data recording equipment |
| Writing skills to: | * access, navigate and enter computer-based information * prepare written information and enter data to support groups and teams including, emails, incident and other reports, run sheets and data entry |
| Problem solving skills to: | * maintain situational awareness in the work area |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| PPMFCO210 Monitor, control and shutdown finishing and converting operations | PPMFCO210A Monitor, control and shutdown finishing and converting operations |  | Equivalent unit |

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

| TITLE | Assessment requirements for PPMFCO210 Monitor, control and shutdown finishing and converting operations |
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| Performance Evidence | |
| A person demonstrating competency in this unit must satisfy all of the elements and performance criteria of this unit, and must be able to provide evidence that they can:   * identify and respond to shutdown causes, at least twice in line with required enterprise intervals * coordinate and plan shutdown activity, at least twice in line with required enterprise intervals * respond to problems associated with plant shutdown and unplanned shutdown to ensure safety quality and production requirements * identify and monitor process control points * implement isolation or lockout procedures * use hand tools * use cleaning equipment * monitor and record production and quality information at required intervals * use electronic and other control systems to control equipment and processes * respond to production needs including output targets, production scheduling, shift requirements, quality requirements, resources and energy use and waste minimisation. | |

| Knowledge Evidence |
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| A person competent in this unit must be able to demonstrate knowledge of:   * organisational procedures relevant to workplace health and safety with particular emphasis on: * use of personal protective equipment (PPE) * equipment lock out and isolation procedures * handling chemicals and hazardous substances, including spill and disposal guidelines * plant clearance requirements * emergency procedures and responses * job safety analysis documentation and processes * plant permit systems and processes * high risk load shifting licensing requirements where relevant * major hazard facility licensing requirements where relevant * finishing and converting operations including winding and re-winding, decorating, lotionising, calendaring, water marking, perforating, slitting and cutting, embossing, laminating, folding, printing, bonding, core making, wrapping and packing * finishing and converting processes, layout and associated services sufficient to monitor, control and shut down finishing and converting operations within level of responsibility * types, causes and effects of finishing and converting plant shutdowns * required responses to all unplanned shutdowns - power outage, mechanical breakdown, blockages, jamming, air supply and control system failure to ensure safety quality and productivity * process and procedures for plant shutdowns and unplanned shutdowns * plant and machinery functions and operations * sampling and testing process for plant and system operations, and process monitoring - purpose, standards and procedures as per site agreements * finishing and converting equipment and auxiliary systems * equipment setup procedures and adjustments * product types and quality requirements * designated areas for waste |

| Assessment Conditions |
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| The following resources must be made available:   * access to the full range of equipment and materials involved in integrated continuous manufacturing of finishing and converting operations in a pulp or paper manufacturing facility * electronic control systems which includes portable control devices, touch screens or robotics to control equipment and processes during shutdown operations * applicable work health and safety (WHS) and isolation work place procedures, environmental guidelines and safe working requirements, risks and hazard identification and workplace housekeeping requirements * fully automated, semi-automated, manually operated plant and equipment appropriate to finishing and converting operations * test and diagnostic and cleaning equipment * personal protective equipment required when operating finishing and converting systems * relevant sample workplace documentation, procedures and reports including Standard Operating Procedures (SOP), quality procedures, environmental sustainability requirements/practices, plant manufacturing operating manuals, plant isolation documentation, and safe work documentation.   Competency is to be assessed in the workplace or in a productive environment that accurately reflects performance in a workplace.  Assessor requirements  Assessors must:   * hold the appropriate assessor competency standards as outlined in regulations; and * be able to demonstrate vocational competencies at least to the level being assessed; and * be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence. |

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