Modification history

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

| PPMDEO210 | Monitor and control dry end operations |
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| Application | This unit of competency describes the outcomes required to monitor and maintain dry end operations, ensure product quality, complete product grade changes and record and report production data.  This unit applies to production support workers who work in a pulp or paper manufacturing facility in the dry end area. This typically involves working in a facility with complex integrated equipment and continuous operations.  Licensing, legislative, regulatory, or certification requirements apply to this unit in some states and territories at the time of publication and may differ according to jurisdiction. |
| 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. Monitor and maintain process | 1.1. Check production requirements at start of shift and plan daily work activities in line with organisational safety and standard operating procedures.  1.2. Confirm operational status by inspection, observation and other information.  1.3. Maintain process supplies to meet production requirements.  1.4. Monitor process to ensure dry end system operations are within specification.  1.5. Identify, rectify or report routine variations from specification.  1.6. Monitor and maintain process levels to maintain productivity requirements  1.7. Detect sheet breaks and re-establish sheet as required  1.8. Complete routine preventative maintenance in line with maintenance schedules. |
| 2. Control product quality | 2.1. Monitor and maintain sheet to quality requirements.  2.2. Conduct routine visual observations and assessments on product and system operations.  2.3. Sample and test product quality to ensure production requirements are maintained; interpret and record results.  2.4. Adjust system operation to rectify out-of-specification product and maintain productivity requirements. |
| 3. Complete product grade change | 3.1. Plan and determine grade change requirements.  3.2. Shut down dry end systems as required.  3.3. Implement process setups or adjustments to meet new grade requirements.  3.4. Coordinate and implement equipment start-ups to meet new grade requirements.  3.5. Coordinate and implement grade change on the run as required. |
| 4. Record and report product and process data | 4.1. Interpret production data and enter into recording system.  4.2. Communicate problems or variations with process, product or equipment to relevant personnel. |

| 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 |
| Numeracy skills to: | * interpret basic numerical settings on instruments, gauges and data recording equipment * monitor, assess and interpret production data * record basic numerical data for test results and production outcomes. |
| Oral communication skills to: | * provide clear basic information about problems or variations with process, products and equipment. |
| Reading skills to: | * interpret: * workplace health and safety and standard operating procedures * maintenance schedules. |
| Writing skills to: | * complete accurate basic records for system operation and production outcomes. |
| Problem solving skills to: | * to adjust process to maximise safety, quality and productivity. |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| PPMDEO210 Monitor and control dry end operations | PPMDEO210A Monitor and control dry end 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 PPMDEP210 Monitor and control dry end 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:   * monitor and control dry end operations at least twice in line with required enterprise intervals * complete routine maintenance on equipment * complete product grade changes * for each of the above operational intervals, complete records for system operation, production outcomes and equipment faults. | |

| 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 requirements where relevant * system layout for dry end plant * purpose, features and operation of dry end system plant, operating parameters and allowable variations * operation and application of electronic and other control systems * key features of the full range of processes involved in controlling dry end operations and coordinating grade changes * purpose of, and processes for sampling and testing product quality, plant and system operations * quality requirements for different types of dry end product * methods used to monitor dry end system operations against specified system parameters * effect of process adjustments on product quality and productivity during monitoring and operation * grades types for dry end product and applicable terminology * types of raw materials used to produce dry end product and how they influence paper properties * standard operating procedures specific to dry end operations * communication reporting lines * recording and reporting system operation, production outcomes and equipment faults |

| Assessment Conditions |
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| The following resources must be made available:   * access to the full range of tools and equipment involved in integrated continuous manufacturing of dry end operations in a pulp or paper manufacturing facility * electronic control systems including Digital Control System (DCS), touch screens or robotics required for dry end operation * materials used in dry end processes including chemicals, compressed air, water, electricity, gas, steam, additives, machine clothing and ropes and belts * sample workplace documentation on work health and safety (WHS) procedures, risks and hazards identification procedures, environmental and safe working requirements/practices, SOP and housekeeping requirements * maintenance tools and equipment and consumables for dry end plant * personal protective equipment suitable for operating dry end plant * maintenance schedules for dry end plant * documents and proformas for recording system operation and production outcomes * organisational workplace health and safety and standard operating procedures * relevant personnel for the purposes of communicating information.   Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.  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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