

Modification history

Release	Comments
Release 1	This version released with PPM Pulp and Paper Manufacturing Training Package Version 3.0

PPMIND2XX	Apply principles of pulp and papermaking to work practices
Application	<p>This unit of competency describes the skills and knowledge required to identify and apply the principles of pulp and paper manufacturing processes to work practices.</p> <p>The unit applies to individuals who work in operational roles in the pulp and paper manufacturing industry under general supervision and guidance from others. They require technical knowledge in particular areas of the pulp and paper manufacturing process, together with a working knowledge of related areas.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Pulp and Paper Industry (IND)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Examine information on pulp and paper manufacturing process	1.1 Identify stages of pulp and paper manufacturing process 1.2 Identify range of fibre sources properties and processes for preparing pulp 1.3 Identify paper types and properties and processes used for papermaking 1.4 Recognise standards and improvements to pulp and paper manufacturing processes and materials from historical to current times
2. Identify and apply information of manufacturing process to work practices	2.1 Identify information requirements for work practices within scope of role 2.2 Identify information required to be exchanged between different stages of manufacturing process to facilitate work task 2.3 Use key industry terms and knowledge of manufacturing process to facilitate work task

Foundation Skills	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Interpret key information about manufacturing process from a range of sources
Writing	<ul style="list-style-type: none"> Document key information gained from research Complete documentation for work tasks and reporting requirements using clear language and industry terminology in the required format
Oral communication	<ul style="list-style-type: none"> Use industry terminology when communicating with others within and across manufacturing processes

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
PPMINDXXX Apply principles of pulp and papermaking to work practices	N/A	The unit has been created to address a skill or task required by industry that is not covered by an existing unit.	Newly created

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

TITLE	Assessment requirements for PPMIND2XX Apply principles of pulp and papermaking to work practices
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has:</p> <ul style="list-style-type: none"> • identified and presented information of pulp and papermaking manufacturing materials and processes and how it applies to own role on one occasion • used industry terms when communicating with team members on work tasks within and outside operational area on at least three occasions. 	

Knowledge Evidence	
<p>An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:</p> <ul style="list-style-type: none"> • overview of following pulp and paper manufacturing processes: <ul style="list-style-type: none"> • raw material preparation and handling • pulp manufacturing • pulp washing and screening • chemical recovery • bleaching • stock preparation and papermaking • pulp fibre sources and types, including: <ul style="list-style-type: none"> • plant, wood, fibre crops, recycled paper • unbleached, semi-beached and bleached • overview of separation processes • overview of paper production processes including: <ul style="list-style-type: none"> • refining • forming • pressing drying • calendering • reel and winding • surface treatments • paper grades used for the following products: <ul style="list-style-type: none"> • printing and writing • packaging • personal hygiene • industrial hygiene • standard paper testing to determine paper quality, basis weigh, caliper, formation, strength, moisture and colour • finishing and converting, changing paper into products. • key developments and improvements of papermaking processes, materials, and machinery, including: <ul style="list-style-type: none"> • sustainable forest management • biomanufacturing, processes, biomass-derived products and bioenergy • energy and water efficiency and emissions • recycling, recovered paper and fibre and de-inking • industry standards and codes related to pulp and paper manufacturing processes • organisational communication and reporting requirements and procedures within and across operational teams 	

Assessment Conditions	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • skills must be demonstrated in a pulp or paper manufacturing facility or an environment that accurately represents workplace conditions • resources, equipment and materials: 	

Assessment Conditions	
<ul style="list-style-type: none">resources used to source information on pulp and paper manufacturing processspecifications:<ul style="list-style-type: none">workplace procedures relating to work tasks and communication and reporting requirementsrelationships:<ul style="list-style-type: none">team members and supervisor. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=12998f8d-d0ac-40bc-a69e-72a600d4fd93

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