



Australian Government

PPMIND201 Apply principles of pulp and papermaking to work practices

Release: 1

PPMIND201 Apply principles of pulp and papermaking to work practices

Modification History

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

Application

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.

The unit applies to individuals who work in operational roles in the pulp and/or 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.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Pulp and Paper Industry (IND)

Elements and Performance Criteria

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. Access 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

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Recognise key developments in papermaking processes, materials and machinery that have led to improvements and efficiencies in pulp and paper manufacturing
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 2.3 Use key industry terms and knowledge of manufacturing process to facilitate communication and work tasks

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.

Skill	Description
Reading	Interpret key information about manufacturing process from a range of sources
Writing	- 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	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
PPMIND201 Apply principles of pulp and papermaking to work practices	Not applicable	The unit has been created to address a skill or task required by industry that is not covered by an existing	Newly created

Code and title current version	Code and title previous version	Comments	Equivalence status
		unit	

Links

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

Assessment Requirements for PPMIND201 Apply principles of pulp and papermaking to work practices

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has:

- identified and presented information on 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

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:

- overview of the following pulp and paper manufacturing processes:
 - raw material preparation
 - converting fibre source to pulp
 - converting pulp to a commercial product
- fibre sources and types used to prepare pulp
- paper properties and grades used for paper types
- overview of paper production processes, including:
 - refining
 - forming
 - pressing drying
 - calendering
 - reel and winding
 - surface treatments
- key developments and improvements of papermaking processes, materials and machinery, including:
 - 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 workplace communication and reporting requirements and procedures within and across operational teams.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a pulp and/or paper manufacturing facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - resources used to source information on pulp and paper manufacturing process
- specifications:
 - workplace procedures relating to work tasks and communication and reporting requirements
- relationships:
 - relevant personnel for the purposes of communicating information.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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