



Australian Government

PPMIND501 Evaluate emerging technologies and processes

Release: 1

PPMIND501 Evaluate emerging technologies and processes

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 research and evaluate emerging technologies and processes in the pulp and paper manufacturing industry and develop strategies to prepare for their potential impact on the organisation.

The unit applies to leaders or managers in the pulp and paper manufacturing industry who are responsible for monitoring and guiding the activities of the organisation, anticipating new or emerging technologies and innovative approaches for the workplace.

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. Research emerging technologies and processes	1.1 Research and review sources of information on emerging technologies and processes for pulp and paper manufacturing 1.2 Assess and document emerging technologies and practices relevant to organisational context and innovation objectives 1.3 Identify legislative requirements and organisational standards applicable to emerging technologies and processes

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Evaluate impact of emerging technologies and processes	2.1 Evaluate features and functions of emerging technologies and processes to determine advantages and disadvantages relevant to organisational context 2.2 Assess and document potential impacts of emerging technologies and practices on current organisational technologies and processes 2.3 Seek and obtain feedback from organisational representative on assessment of impact of emerging technologies and practices, and incorporate feedback into report
3. Develop strategies to prepare for emerging technologies and processes	3.1 Develop and document strategies to prepare organisation for impacts and barriers of emerging technology and processes 3.2 Identify and document changes to organisational technologies and processes required based on strategies to determine organisational response 3.3 Seek, obtain and incorporate feedback from organisational representative on strategy and organisational response

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
Learning	- Investigate, evaluate and apply information from a range of complex and technical texts to expand own knowledge and to identify current and emerging technologies and processes that are likely to impact the organisation - Identify reliable sources of information from which to gather resources and information
Reading	Interpret and critically analyse complex information from a variety of sources to identify current and emerging technologies and processes
Writing	Develop comprehensive report that integrates information and ideas from a number of sources in a format that uses appropriate structure and clear language

Skill	Description
Oral communication	• Use clear language and industry terminology when discussing ideas and complex information with others within and across the pulp and paper manufacturing industry • Obtain information and opinions of others by listening and questioning

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMIND501 Evaluate emerging technologies and processes	Not applicable	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>