



**Australian Government**

# **Assessment Requirements for PPMDIK301 Perform de-inking operations**

**Release: 1**

# Assessment Requirements for PPMDIK301 Perform de-inking operations

## Modification History

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

## Performance Evidence

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

There must evidence that the individual has planned for, coordinated, and safely started up and shut down de-inking operations for at least two operational intervals, including for each operational interval:

- determined and monitored process control points
- monitored, assessed causes and adjusted systems to rectify variations from specifications and unplanned shutdown
- used and interpreted electronic control systems during operations
- applied safe use and handling of chemicals and materials
- recorded and reported accurate operational data
- communicated effectively and worked safely with others when undertaking de-inking operations.

## 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:

- workplace and legislative health and safety requirements relevant to performing de-inking operations, including emergency procedures, handling chemical and hazardous substances, high risk load shifting, licensing requirements, plant clearance and permit systems
- relevant workplace and legislative environmental sustainability requirements and practices for de-inking operations, including workplace biotechnological applications and processes and biomass-derived products
- methods used to identify and manage hazards and risks that apply to de-inking operations
- de-inking systems and processes, plant layout and associated services relevant to carrying out start-up, stabilising and shutdown activities
- standard operating procedures specific to de-inking operations

- types, uses and characteristics of materials and additives used in the de-inking process, and how they influence paper properties
- quality requirements for different types of de-inked stock
- purpose of, and processes for, sampling and testing stock quality, plant and system operations
- methods used to monitor de-inking system operations against specified system parameters
- effect of process adjustments on stock quality and productivity during operation
- application of electronic and other control systems used to operate, control and make appropriate adjustments to de-inking operations
- responses used for unplanned shutdowns, including those caused by power outage, mechanical breakdown, blockages, jamming, air supply and control system failure
- procedures for communicating, recording and reporting system and production data and information.

## 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:
  - de-inking system and plant
  - maintenance tools and equipment and consumables for de-inking plant
  - electronic control systems that include digital control system, touch screens or robotics used for de-inking systems
  - materials and additives used in de-inking processes
  - testing and diagnostic equipment
  - personal protective equipment required for operating de-inking systems
  - proforma or recording system for recording system and production data and information
- specifications:
  - workplace and standard operating procedures relating to de-inking operations, including health and safety, risks and hazards identification, plant isolation, quality, housekeeping and environmental 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**

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