



**Australian Government**

# **Assessment Requirements for MSMWJ306 Operate a vacuum loading system**

**Release: 1**

# Assessment Requirements for MSMWJ306 Operate a vacuum loading system

## Modification History

Release 1. Supersedes and is equivalent to MSMWJ303 Operate a vacuum loading system. Unit code changed. Application and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed.

## Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- autonomously assemble and operate vacuum loading equipment and perform vacuum loading and unloading operations on both solids and liquids.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- hazards and hazard controls specific to the operation of vacuum loading equipment, including:
  - physical hazards
  - stored energy hazards
  - working environment hazards
- environmental protection considerations for vacuum loading operations
- techniques and methodology of vacuum loading
- principles of operation of vacuum loading equipment and its component items, including:
  - vacuum pumps:
    - liquid ring pump
    - lobe blower pump
    - vane pump
    - axial turbine
  - filtration systems:
    - bubble filter
    - bag house
    - cyclone
  - conductive, non-conductive and coded hoses
  - earthing and bonding
  - vacuum breakers or vacuum relief systems
- equipment variables and their application, including:
  - hose type, size and restraints

- pressure or vacuum
- additives to be used
- other items under the control of the operator
- correct methods of starting up, shutting down, operating and controlling vacuum loading equipment and its component items by type and application
- relevant communication systems used between operators, including hand signals
- operational parameters and limits of equipment
- types and causes of known problems for vacuum loading and its components and corrective action appropriate to the problem cause
- importance of monitoring and controlling job conditions
- methods for monitoring job variables, and the appropriate corrective actions
- types of situations that require:
  - activation of an emergency stop
  - stopping work until a situation is resolved
- procedures for:
  - raising the alarm (when, how, who to)
  - responding to injury
- correct methods of product and waste disposal
- routine cleaning and servicing requirements for vacuum loading equipment.

## Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies.

The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
  - vacuum loading system and other tools and materials to complete tasks specified in the performance evidence
  - safety and personal protective equipment (PPE)
  - job documentation.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

## Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>