



**Australian Government**

**Assessment Requirements for  
PMBPROD308E Take a machine out of  
production**

**Release: 1**

# Assessment Requirements for PMBPROD308E Take a machine out of production

## Modification History

Release 1. Unit code changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMBPROD308 Take a machine out of production.

## 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:

- take a machine out of production at least once to support a long-term shutdown period where the equipment will need to be restored to production at a later date.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the structure, functions and principles of operation of equipment, machine components and ancillary equipment, including:
  - production plant and equipment
  - machine control systems
  - safety interlocks and systems
  - measuring instruments
- the functions and applications of analogue controls, digital controls, and microprocessor-based process controls
- types of and reasons for machine shutdown, and the procedures associated with each
- types of machine purging and the appropriate application of each
- the criteria for overall process/equipment readiness for the process or equipment being used
- function of and readings from measuring instruments, including:
  - levelling
  - thermocouples
  - pyrometers
  - transducers
  - thermometers
  - pressure gauges
  - vacuum gauges
  - flow meters
- purpose and operation of safety interlocks and systems, including:

- limit switches
- machine guards
- methods and materials for purging equipment, and their combinations and applications
- key variables that may affect product quality and production output
- typical and atypical process and product problems, including early warning signs, possible causes and corrective actions:
  - cycle interruptions
  - degradation of materials
  - cooling and solidification of compounds
  - rusting and corrosion of moulds put in storage
- organisational procedures relevant to the work environment or job role, including procedures for the emergency shutdown of equipment
- hazards that may arise in the job or work environment, and:
  - their possible causes
  - potential consequences
  - appropriate risk controls.

## Assessment Conditions

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

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=932aacef-7947-4c80-acc6-593719fe4090>