



Australian Government

Assessment Requirements for PMBPROD343E Shut down plant area

Release: 1

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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 PMBPROD343 Shut down plant area.

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:

- shut down a plant area at least once, either for maintenance or at the end of a production run.

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
- the nature of mechanical, hydraulic, pneumatic, electrical and electronic principles that affect machine operation
- the impact of variations in production cycle, process and sequences on shutdown of equipment systems
- functions and applications of analogue controls, digital controls, and microprocessor-based process controls
- functions of and readings from polymer processing machinery, including:
 - levelling
 - thermocouples
 - pyrometers
 - transducers
 - thermometers
 - pressure gauges
 - vacuum gauges
 - flow meters
- purpose and operation of safety interlocks and systems in the process, including:
 - limit switches
 - normally open/normally closed
 - overstroke control systems
 - hydraulic temperature control
 - material temperature control

- machine guards
- nozzle purge guard
- mould protection systems
- ejection limit switches
- organisational procedures relevant to the work environment or job role
- 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>