



Australian Government

Assessment Requirements for PMBPROD301E Draw wire

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 PMBPROD301 Draw wire.

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:

- draw wire at least once to meet job specifications.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- products, materials and material characteristics
- behaviour of materials in relation to key process variables
- function and operating principles of wire drawing equipment, equipment components and ancillary equipment, including:
 - wire-drawing dies
 - hand tools
 - pointers
 - taggers
 - welders
 - lubrication systems
- wire drawing manufacturing processes
- the criteria for overall process/equipment readiness for the process or equipment being used
- behaviour of materials in relation to speed, temperature and tension
- impact of machine operating parameters on product quality and production output
- typical quality standards required at each production stage
- key variables that may affect product quality or production output, including:
 - machine speed
 - lubrication
 - wire properties
- wire properties and their interactions with process conditions
- impact of variations in raw materials and equipment operation in relation to final product
- impact of die wear and build up, faulty capstan and wire welds on product quality and production output

- typical and atypical process and product problems, including early warning signs, possible causes and corrective actions
- 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>