



Australian Government

Assessment Requirements for PMBPROD430E Trial a new injection moulding die

Release: 1

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Modification History

Release 1. Unit code and title changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMBPROD430 Trial a new die/tool.

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:

- trial a new injection moulding die at least once to meet trial requirements.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the functions of injection moulding dies and ancillary equipment
- the principles of operation of the equipment
- production workflow sequences and materials demand
- types of materials and their characteristics
- the criteria for overall process/equipment readiness for the process or equipment being used
- typical quality standards required at each stage of the trial and production processes
- key variables that may affect product quality and production output, and the importance of process conditions
- typical and atypical process and product problems, including early warning signs, possible causes and corrective actions
- the distinguishing characteristics of causes of problems as being either based on the properties of materials or caused by process variables
- 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>