



Australian Government

**Assessment Requirements for
PMBPROD431E Trial a new production
mould assembly**

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 PMBPROD431 Trial a new, advanced or complex mould.

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 production mould assembly at least once to meet trial requirements.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the functions of advanced or complex moulds, and production equipment capability
- criteria for the selection and readiness of equipment, materials, processes and procedures for trialling
- production workflow sequences and materials demand
- types of materials suitable for use in the mould assembly and their characteristics, and the impact of incorrect or faulty materials on the process and output
- the range of products that can be made, the different processes used to make them, and the advantages and disadvantages of each process
- changes to raw materials that can be expected during the moulding process
- typical quality standards required at each stage of the trial and production processes
- key variables that may affect mould suitability, output 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>