



**Australian Government**

# **Assessment Requirements for PMBTECH502E Analyse production trials**

**Release: 1**

# Assessment Requirements for PMBTECH502E Analyse production trials

## 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 PMBTECH502 Review and analyse production trials and specify retrials.

## Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit of competency, and demonstrated the ability to:

- analyse production trials at least once and identify limitations and recommend changes for one or more of the following:
  - materials, materials grade
  - product specifications/design
  - process/processing parameters
  - machine configuration or specification
  - mould, die and/or tooling design and construction.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- characteristics and manufacturing behaviours of polymers involved in the process
- polymer materials, their additives and the rheological, heat and other effects of processing to the design of equipment and components to predict practical performance results
- preliminary product specifications
- quality and production requirements
- 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>