



Australian Government

**Assessment Requirements for
PMBTECH501E Analyse equipment
performance**

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 PMBTECH501 Analyse equipment performance.

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:

- analyse and verify the performance of one piece of equipment, including making and implementing recommendations for improvements in an operation.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the functions and operating principles of the equipment being analysed
- 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
- the impact on performance of a 'limiting' component, and the potential for improved overall performance of a piece of equipment or process based on changes to the 'limiting' component
- types of data and techniques for calculation of theoretical and actual performance
- techniques for establishing and communicating performance improvement measures
- 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>