



Australian Government

PMBTECH502 Review and analyse production trials and specify retriels

Release: 1

PMBTECH502 Review and analyse production trials and specify retrials

Modification History

Release 1. Supersedes and is equivalent to PMBTECH502B Review and analyse production trials and specify retrials

Application

This unit of competency covers the skills and knowledge required to review and analyse production trials and specify retrials. It applies to trials of new or modified product, process and equipment.

This unit of competency applies to senior technicians/technologists or those in similar roles who are required to apply in-depth knowledge of materials, process, equipment and problem solving in order to analyse the results of trials against their objectives; recommend changes to achieve product quality and production requirements; and specify retrial procedures/variations.

The technician will have detailed operational and process knowledge but is not required to demonstrate 'hands on' operation of equipment as part of this competency.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

MSMOPS401 Trial new process or product

Competency Field

Technicak

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

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| 1 | Review trial results | 1.1 | Confirm trial objectives as a basis for comparison prior to review of results |
| | | 1.2 | Review trial product quality results and compare with trial objectives to identify variations |
| | | 1.3 | Review trial production results and compare with trial objectives to identify variations |
| | | | |
| 2 | Analyse and correct trial outcome | 2.1 | Analyse trial results to establish priorities for the correction of parameters which are outside specifications |
| | | 2.2 | Recommend changes to achieve product quality and production requirements |
| | | 2.3 | Make changes to procedures to achieve the required product quality and production requirements |
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| 3 | Specify and carry out retrial procedures | 3.1 | Specify retrial objectives and priorities to procedures |
| | | 3.2 | Carry out retrial variations to achieve the trial objectives to procedures |
| | | 3.3 | Record trial results to procedures |

Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Regulatory framework The latest version of all legislation, regulations, industry codes of practice and Australian/international standards, or the version specified by the local regulatory authority, must be used.

Applicable legislation, regulations, standards and codes of practice include:

- health, safety and environmental (HSE) legislation, regulations and codes of practice relevant to the workplace, manual handling, hazardous materials and product specifications
- Australian/international standards relevant to the materials being used and products being made
- any relevant licence and certification requirements.

All operations to which this unit applies are subject to stringent HSE requirements, which may be imposed through state/territory or federal legislation, and these must not be compromised at any time. Where there is an apparent conflict between performance criteria and such requirements the legislative requirements take precedence.

Procedures All operations must be performed in accordance with relevant procedures.

Procedures are written, verbal, visual, computer-based or in some other form, and include one or any combination of:

- test procedures
- technical specifications
- technical drawings
- emergency procedures
- work instructions
- standard operating procedures (SOPs)
- safe work method statements (SWMS)
- formulas/recipes
- batch sheets
- temporary instructions
- any similar instructions provided for the smooth running of the plant.

Hazards Hazards must be identified and controlled. Identifying hazards requires consideration of:

- hazardous products and materials
- rotational equipment or vibration
- sharp edges, protrusions or obstructions
- slippery surfaces, spills or leaks
- smoke, dust or other atmospheric hazards
- moving machinery
- high temperatures
- other hazards that might arise.

Unit Mapping Information

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Links

MSA Training Package Implementation Guides - <http://mskills.org.au/training-packages/info/>