



Australian Government

Assessment Requirements for MSTGN4017 Participate in product engineering

Release: 1

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Modification History

Release 1. Unit Code and Application changed. Elements and Performance Criteria simplified with Element 1 and 2 combined and other content reordered. Foundation Skills field populated. Range of Conditions removed with relevant information moved to Knowledge Evidence. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is equivalent to MSTGN4002 Participate in product engineering.

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:

- assess materials, plan method of production and make production cost estimates for two different textile products.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- safe work practices and procedures and use of personal protective equipment for different types of textile materials
- textile materials commonly used in industry sector, including structure, properties and sustainability features
- textile production machines and their capabilities
- methods of production and their advantages and disadvantages, including:
 - just in time
 - value-added modelling
 - quick response
 - quality circles
 - team processes
 - benchmarking
- costing procedures for:
 - materials
 - economical batch hours
 - labour
 - machine hours
 - textile production and quality assurance processes
- recording and reporting practices.

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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - textile materials for assessment
 - textile production facility and equipment
 - workplace procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VET Net – -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>