



**Australian Government**

# **Assessment Requirements for MSTGN6009**

## **Research and evaluate processes and products**

**Release: 1**

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## **Modification History**

Release 1. Unit Code and Application changed. Elements and Performance Criteria simplified and restructured with Element 1 removed. Foundation Skills field populated. Range of Conditions removed. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is equivalent to MSTGN6003 Research and evaluate processes and products.

## **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:

- complete the following for at least one process and one product:
  - analyse implications of each of the following global and domestic trends, opportunities and constraints:
    - design
    - technology
    - market forces
    - regulations
    - supply chain
    - sustainability and circularity
  - establish business process and product development capabilities and implications in relation to:
    - compliance requirements
    - materials and equipment
    - human resources
    - financial resources
  - develop a report or presentation on research findings
  - develop and document information for a strategic plan to progress the identified opportunities.
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## **Knowledge Evidence**

There must be evidence the candidate has knowledge of:

- research methodologies and sources
- critical thinking processes that support effective analysis of information
- current and emerging trends in the design and production of textile products, including:

- circularity in design processes and business models including those related to biological and technical circularity and open- and closed-loop models
- design thinking in business
- product service systems and business models
- rapid customisation and associated technologies
- slow fashion movements
- virtual prototyping
- demand-led production
- links between global and domestic trends and their impact on local industry and manufacturing capabilities
- challenges associated with more sustainable approaches to design and production
- business process and product development considerations in relation to compliance, materials and equipment, human resources and financial resources
- strategic planning for products and processes
- workplace styles and formats for documenting information and reports.
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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:
  - information technology for research and documentation.

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=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>