



Australian Government

MSTAT5018 Specify and plan advanced construction processes

Release: 1

MSTAT5018 Specify and plan advanced construction processes

Modification History

Release 1. Unit Code, Title and Application changed. Title changed to more clearly reflect content. Elements and Performance Criteria simplified and reworked with Element 1 and 4 removed. 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 MSTFD5018 Determine and specify advanced construction processes.

Application

This unit describes the skills and knowledge required to create, implement, and document a specification and process plan for products with advanced design details. This is achieved through a process of sample production and evaluation.

This unit applies to designers and more senior production personnel who use knowledge of design and production processes to select and adapt approaches to work to achieve desired outcomes.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Apparel and Textile Production

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Create specification and production plan	1.1 Review garment design and determine design details requiring advanced construction techniques and their position on the garment 1.2 Determine suitable construction processes and human, physical and financial resource requirements 1.3 Prepare product specification and production plan that provides clear and complete details of required sample construction process

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	1.4 Organise sample production in accordance with specification and production plan
2. Review and finalise specification and production plan	2.1 Evaluate sample and determine if desired results have been achieved as specified 2.2 Liaise with team members to share ideas and information about potential modifications based on sample results 2.3 Consult with production team regarding potential modifications on sample and production requirements 2.4 Modify specification and process plan based on evaluation and consultation 2.5 Establish technical, monitoring and reporting procedures that reflect scope and nature of production process

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret specification documents and production plans
- Writing skills to develop clear and cohesive specifications and work procedures
- Oral communication skills to liaise with others on both conceptual and operational issues

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Supersedes and is equivalent to MSTFD5018 Determine and specify advanced construction processes.

Links

Companion Volume implementation guides are found in VETNet –

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

Assessment Requirements for MSTAT5018 Specify and plan advanced construction processes

Modification History

Release 1. Unit Code, Title and Application changed. Title changed to more clearly reflect content. Elements and Performance Criteria simplified and reworked with Element 1 and 4 removed. 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 MSTFD5018 Determine and specify advanced construction processes.

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:

- develop and document a specification and process plan for at least two garments which collectively include:
 - five design details using any of the following techniques or processes:
 - embellishments
 - textile colouration techniques
 - advanced construction design components.
 -

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the garment design and construction process
- design details used to achieve special effects
- link between design details, advanced construction requirements and the human, physical and financial resources required to produce them
- how to write a specification and production plan and the required inclusions
- advanced construction processes
- features and capabilities of construction tools and equipment used to create specialised features on garments
- communication skills and processes
- criteria for assessing the quality of sample produced.

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:
 - a design on which specifications and plans are based
 - information technology.

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>