



Australian Government

MSTFD5018 Determine and specify advanced construction processes

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTFD5018B Determine and specify advanced construction processes

Application

This unit of competency covers the skills and knowledge required to determine and specify advanced construction processes to achieve desired design details.

The unit of competency applies to design details which achieve specific effects in the production of garments to give a garment a more unique, individual appearance. It also applies to producing samples and developing construction specifications and standard operating procedures (SOPs) to guide the production of garments which incorporate design detail.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

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

Pre-requisite Unit

Nil

Competency Field

Fashion design and technology

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.

- | | |
|-------------------------------------|--|
| 1 Determine job requirements | 1.1 Follow standard operating procedures (SOPs) |
| | 1.2 Comply with work health and safety (WHS) requirements at all times |
| | 1.3 Use appropriate personal protective equipment (PPE) in |

- accordance with SOPs
- 1.4 Identify job requirements from specifications, drawings, job sheets or work instructions
- 2 **Produce design details**
- 2.1 Determine design details and their position on the garment
- 2.2 Prepare artwork/drawings/specifications and any additional documentation in appropriate format
- 2.3 Plan advanced garment construction processes and determine advanced machine or equipment requirements
- 2.4 Select appropriate fabric, components and equipment and use advanced construction processes to produce sample design detail
- 3 **Develop advanced construction process plan**
- 3.1 Evaluate sample to assess results and modify sample and process plan, as required
- 3.2 Consult with production team to determine requirements and assign tasks according to available expertise and production requirements
- 3.3 Communicate with team members to clarify advanced construction process plan
- 3.4 Analyse design specification sheet, drawings, samples and patterns with team
- 3.5 Apply quality criteria and copyright/intellectual property (IP) obligations
- 4 **Confirm and document advanced construction process**
- 4.1 Establish relevant technical, monitoring and reporting procedures
- 4.2 Prepare reports and maintain records, as required
- 4.3 File and store records according to work 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.

Workplace procedures include one or more of the following:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- SOPs
- work instructions
- PPE
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling
- WHS requirements

Australian Standards include:

- the relevant industry or Australian Standards that are current at the time this unit is being undertaken

Design details to achieve specific effects include one or more of the following:

- printing
- dyeing
- fraying
- cutting fabric on bias
- painting
- beading
- embroidery

Advanced garment construction processes include three or more of the

- cut-in and applied pockets and tabs
- contoured and layered insets
- intricate closures and seaming
- requirements of unique fabrics and components

following:

- quilting
- drawn thread work
- applique
- rouleau

**Quality criteria
include one or more
of the following:**

- proportion
- perspective
- symmetry and balance
- detailing
- neatness

**Machines/equipment
include one or more
of the following:**

- three, four or five thread overlocker
- zigzag sewing machine
- blind hemmers
- buttonholers
- button sewers
- pocket and collaring machines
- elasticators and binders
- printing and stencilling equipment
- hoops
- hand sewing and machine accessories and attachments

**Advanced
construction process
plan includes one or
more of the
following:**

- SOPs
- constraints
- preferred processes
- designs
- advanced construction process
- roles
- schedule/timeframe

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTFD5018B 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>

