



Australian Government

Assessment Requirements for MSTAT4016 Cut and sew design prototypes

Release: 1

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Modification History

Release 1. Merges MSTFD4011 and MSTFD4016. Unit Code and Application changed. Elements and Performance Criteria simplified 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 not equivalent to MSTFD4011 Cut fabrics for prototype designs or MSTFD4016 Sew design prototypes.

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:

- cut, sew and finish at least two prototype garments, with work across the two garments collectively to include:
 - use of at least one of the following:
 - commercial sewing machine
 - three thread overlocker
 - zigzag sewing machine
 - use of two finishing techniques
 - use of at least two different fabric types
 - at least five of the following in any combination:
 - binds
 - buttons and buttonholes
 - collars
 - cuffs
 - facings (neck or armhole)
 - plackets
 - sleeves
 - waistbands
 - zips.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- role of different people involved in the prototyping stage of the design and production process and types of interactions between them
- techniques in using and maintaining three thread overlocker and commercial sewing machines:

- correct thread, needle size and type, needle guard, tension setting and attachments
- checking for worn components that may impact on sewing operations
- routine cleaning and oiling
- characteristics of a range of commercially available fabrics
- methods of cutting, sewing and assembling garment pieces for the purposes of prototype production
- the impact of adjustments to garment components or seams
- garment assembly issues, including:
 - complex or time-consuming assembly
 - quality
 - difficulty in following pattern or design concepts
 - problems arising from material selection
 - issues relating to sizing
- hand and machine finishing techniques that may be required in design prototypes.

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:
 - design specifications
 - cutting equipment
 - commercial sewing machines
 - fabrics, thread and consumables.

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>