



Australian Government

Assessment Requirements for MSTFD4016 Sew design prototypes

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTFD4016B Sew design prototypes

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria, and include:

- reading and following work instructions, standard operating procedures (SOPs) and safe work practices
- applying relevant standards
- operating a commercial sewing machine or overlocking machine to assemble a prototype garment
- preparing and laying out pattern pieces for at least two (2) garments, and attaching to the fabric to match fabric pattern, nap and weave
- laying out garment components according to sequence of assembly operations and sequencing operations as specified
- sewing and finishing at least two (2) garments according to specifications
- adjusting garment to better display design characteristics and correct fabric alignment, garment fitting and other features
- completing required hand sewing and finishing, and pressing garment according to fabric requirements and garment construction details
- checking prototype satisfies quality criteria and original design concept and advising appropriate people of assembly issues.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- relevant Australian Standards
- 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 assembling garment pieces for the purposes of prototype production
- the impact of adjustments to garment components or seams
- embellishments that are used in garment assembly
- garment assembly issues:
 - complex or time-consuming assembly

- quality
- difficulty in following pattern or design concepts
- problems arising from material selection
- issues relating to sizing or fabric cuts
- hand sewing and finishing techniques:
 - attaching buttons and other closures
 - attaching embellishments such as trims, badges
 - hemming and overstitching
 - gluing and bonding trims
- quality criteria:
 - proportion
 - perspective
 - symmetry and balance
 - detailing
 - neatness.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in sewing design prototypes, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8fla9b76e92e>