



Australian Government

MSFUP3026 Apply marine sewing and installation techniques

Release: 1

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Modification History

Release 1. Changes to code, application, elements, performance criteria, assessment requirements. Foundation skills added. Range of conditions removed. Assessment requirements changed.

Application

This unit describes the skills and knowledge required to use marine sewing techniques to create upholstery items, such as covers for use in marine applications, and to fit required attachments and fixing devices.

Upholstery and marine fit-out workers with this competency work in accordance with established procedures using discretion, judgement and problem-solving to identify and resolve potential issues. They recognise dependencies and use cooperative approaches to optimise workflow and productivity.

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

Competency Field

Upholstery

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. Prepare for task	1.1 Determine task requirements, including machines, attachments, materials and work sequence and method, from work documentation and in accordance with workplace procedures 1.2 Identify and follow work health and safety requirements 1.3 Check that equipment, including components and controls, are functional and safe 1.4 Check that materials and part-constructed products meet job requirements in accordance with workplace procedures 1.5 Lay out work pieces in sequence in accordance with specifications and workplace procedures
2. Conduct sewing operation	2.1 Set up sewing machine, including attachments, and make required adjustments in accordance with workplace procedures

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	2.2 Fit thread type and size to machine to suit fabric 2.3 Operate machine to maintain required product quality and outputs 2.4 Attach reinforcing or protective measures, fittings or attachments and fixing devices in accordance with workplace procedures 2.5 Inspect finished products, including covers, for quality and reprocess in accordance with workplace procedures
3. Complete task	3.1 Check, clean and store equipment and any unused materials in accordance with workplace procedures 3.2 Tag unserviceable equipment, identify faults and inform appropriate personnel in accordance with workplace procedures 3.3 Clean work area, safely dispose of waste and identify items for recycling in accordance with workplace procedures and environmental standards 3.4 Complete required workplace records, including those for stock usage

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 familiar workplace procedures and work documentation
- Writing skills to communicate information in familiar workplace documents
- Numeracy skills to measure and calculate length and area and estimate material requirements.

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

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSFUP3012 Apply marine sewing and installation techniques.

Links

Companion Volume implementation guides are found in VETNet –

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>

Assessment Requirements for MSFUP3026 Apply marine sewing and installation techniques

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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:

- prepare and install a minimum of 3 square metres of cover to at least 3 vertical or horizontal surfaces
- sew at least 3 covers, collectively including at least 3 of the following fasteners and attachments:
 - clips
 - press studs
 - buckles
 - eyelets
 - shackles
 - zips
 - reinforcing patches
 - straps.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- procedures for reporting damaged or imperfect products
- workflow requirements for sewing process
- function of sewing equipment, including:
 - overlockers
 - flatbed machines
 - twin needle machines
 - walking foot machines
- common material and product faults and repair methods
- equipment and processes for sewing and installing marine items
- types of sewing machine typically used for marine sewing
- quality systems and standards for marine items
- tools and equipment commonly used in marine sewing and installation

- materials used for marine upholstery and their appropriateness for different applications, including:
 - canvas
 - sail materials
 - leather
 - foam-backed vinyl and upholstery fabrics
- work health and safety requirements, including personal protective equipment (PPE) and manual handling procedures.
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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:
 - work orders
 - sewing machine, materials, fittings and threads required for performance evidence
 - PPE
 - workplace procedures, manufacturing specifications, codes, standards, manuals, and reference materials.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

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