



Australian Government

MSFUP3012 Apply marine sewing and installation techniques

Release: 1

MSFUP3012 Apply marine sewing and installation techniques

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers using marine sewing techniques in the completion of upholstery products/items used in marine applications, such as covers, and fitting the required attachments and fixing devices.

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

Pre-requisite Unit

Competency Field

Unit Sector

Upholstery

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	Prepare for work	1.1	Job requirements are identified from work instructions
		1.2	Work health and safety (WHS) requirements, including personal protection needs, are observed throughout the work
		1.3	Machines, attachments, materials, work method and sequence are determined
		1.4	Equipment, including any supplementary equipment, is identified and checked for safe operation, components and controls
		1.5	Materials are identified and inspected and problems, including any materials or part-constructed products which do not meet the job order requirements, are identified and reported in accordance with workplace procedures

		1.6	Work pieces are laid out in sequence in accordance with specifications and workplace procedures
2	Conduct sewing operation	2.1	Sewing machine, including attachments, as required, set-up requirements and adjustments are observed in accordance with workplace procedures
		2.2	Appropriate thread type and size is fitted to machine
		2.3	Machine is operated to maintain required product quality and outputs
		2.4	Reinforcing/protective measures, fittings/attachments and fixing devices are attached in accordance with workplace procedures
		2.5	Finished products, including covers, are inspected for quality with unacceptable items being reprocessed in accordance with workplace instructions
3	Complete work	3.1	Unused materials are stored, as required
		3.2	Workplace required documentation, including stock usage, is completed and processed following workplace procedures
		3.3	Work area is cleaned and damaged tools and equipment tagged, as required
		3.4	Waste is collected and bundled for recycling/reuse as required by workplace procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies 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. Range is restricted to essential operating conditions and any other variables essential to the

work environment.

- Unit context includes:**
- WHS requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes, and local safe operating procedures or equivalent
 - work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements
 - work requires individuals to demonstrate some discretion, judgement and problem solving
- Fittings/attachments and fixing devices include:**
- clips
 - press studs
 - buckles
 - eyelets
 - shackles
 - zips
 - reinforcing patches
 - straps
- Job requirements include:**
- required materials
 - threads
 - additional work features
 - shape and special requirements for the item
 - any required workplace documentation to be completed
- Machines include:**
- overlocker
 - flat bed
 - twin needle and walking foot
- Tools and equipment include:**
- measuring tape
 - scissors
 - cutting blades
 - knives and thread
- Materials include:**
- canvas
 - sail materials
 - leather
 - foam-backed vinyl and upholstery fabrics

Personal protective equipment includes:

- that prescribed under legislation, regulations and enterprise policies and practices:
 - safety glasses/goggle
 - hair nets
 - ear muffs/plugs
 - gloves
 - footwear and protective clothing

Information and procedures include:

- workplace procedures relating to the use of tools and equipment
- work instructions, including job sheets, cutting lists, plans, drawings and designs
- workplace procedures relating to reporting and communication
- manufacturer specifications and operational procedures

Unit Mapping Information

Supersedes and is equivalent to LMFUP3012B 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 MSFUP3012 Apply marine sewing and installation techniques

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Performance Evidence

- Interpret work order and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Prepare and install a minimum of three (3) square metres of cover to at least three (3) vertical or horizontal surfaces
- Sew at least three (3) covers and sew appropriate fasteners and attachments to covers sewn
- Use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate material requirements
- Communicate ideas and information to enable confirmation of work requirements and specifications and the reporting of work outcomes and problems, interpret basic plans and follow safety procedures
- Avoid backtracking, work flow interruptions or wastage
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- Procedure for reporting damaged or imperfect products or interruption to work flow
- Work flow requirements for sewing process
- Operation of work systems and sewing equipment
- Characteristics of materials used and application and requirements of the finished products
- Causes of faults and repair methods
- Identification of equipment, processes and procedures
- Quality systems and standards
- Workplace procedures

Assessment Conditions

- Assessors must:

- hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors
- have vocational competency in the furnishing industry at least to the level being assessed with broad industry knowledge and experience, usually combined with a relevant industry qualification
- be familiar with the current skills and knowledge used and have relevant, current experience in the furnishing industry.
- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to appropriate sewing machine, work orders, materials, fittings and threads.

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