



Australian Government

MSFUP3005 Machine sew complex upholstery final cover materials

Release: 1

MSFUP3005 Machine sew complex upholstery final cover materials

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers using specific sewing machine techniques, with attachments, as required, to sew upholstery final cover materials.

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.

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|--------------------|---|
| 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, is set up and adjusted for the work requirements
		2.2	Machine is operated to maintain required product quality and outputs
		2.3	Finished products are checked for required quality, repaired and moved to the next process
3	Complete work	3.1	Completed work is directed to the next operation in accordance with workplace procedures
		3.2	Documentation, including production and/or stock records and/or packing slips, are completed in accordance with workplace procedures
		3.3	Material which is able to be re-used is collected and stored, and waste and scrap removed in accordance with workplace procedures
		3.4	Equipment maintenance and work area clean-up are completed following 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

Complex sewing includes:	• 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 • the operation of industrial sewing machines to produce specialised products in the application of upholstery to furniture, and embraces a range of decorative methods and finishes • specific and specialised techniques and products: • sewing twin needle decorative finishes, including single and double piping, blind hemming, balloon seam and gathering • sewing with specialised attachments, including gathering • sewing fasteners and attachments, including sewing of zips and velcro
Job requirements include:	• required materials • threads • additional work features • shape and special requirements for the finished item • any required workplace documentation to be completed
Machines include:	• flat bed • walking foot • overlocker • post and/or flatbed twin needle
Sewing machine set-up and adjustments include:	• threading machine and winding bobbin • setting required tensions • selecting required machine settings • lubricating and adjusting the machine • testing operations for work order requirements
Materials to be machined include:	• fabrics • vinyl • canvas • acrylics and leather
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 LMFUP3005B Machine sew upholstery final cover materials (complex).

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 MSFUP3005 Machine sew complex upholstery final cover materials

Modification History

Release 1 - New unit of competency

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
- As a minimum, complete a double sided square stool top with double stitched quartering of different materials
- 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 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 machines, work orders, operating procedures, materials and threads.

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