



Australian Government

MSFUP3013 Cut and sew canvas and acrylics

Release: 1

MSFUP3013 Cut and sew canvas and acrylics

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers measuring, cutting and sewing canvas and acrylic materials, and applying fixtures and fittings for upholstery applications and for other uses, such as automotive and marine applications.

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 | Specifications, patterns and/or plans are read and interpreted to identify required material, number and nature of items to be cut and the equipment to be used |
| | | 1.2 | Work health and safety (WHS) requirements, including personal protection needs, are observed throughout the work |
| | | 1.3 | Machines, attachments, tools, materials, work method and sequence are determined |
| | | 1.4 | Suitable work area is selected, prepared and cleaned of any contaminants |
| | | 1.5 | Equipment, including any supplementary equipment, is identified and checked for safe operation, components and controls |

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| | 1.6 | Scissors and any other cutting equipment are selected for the material to be cut and checked for appropriate sharpness, operation and safe condition |
| | 1.7 | Materials to be cut and sewn are identified and inspected and problems, including any materials which do not meet the job order requirements, are identified and reported in accordance with workplace procedures |
| 2 | Develop cutting plan | |
| | 2.1 | Cutting requirements are identified |
| | 2.2 | Measurements for item are confirmed, noting locations of high wear/chafing, fittings/attachments and fixing devices |
| | 2.3 | If appropriate, cutting list is developed using appropriate format, abbreviations and terminology for cut sizes, and number of pieces in accordance with workplace procedures |
| | 2.4 | Cutting plan is developed in accordance with workplace procedures |
| 3 | Prepare materials for cutting | |
| | 3.1 | Material is selected in accordance with work order and laid out and inspected for flaws |
| | 3.2 | Finished side of the materials are identified and positioned on cutting table for marking/pattern lay out |
| | 3.3 | Material is marked out/patterns are laid out following work procedures and instructions |
| 4 | Cut material | |
| | 4.1 | Measurements are confirmed and appropriate adjustments to the positioning of fabric are made |
| | 4.2 | Tools and equipment are checked for operation |
| | 4.3 | Required cutting operations are completed to cut material following work instructions |
| | 4.4 | Cut material is inspected for quality and unsatisfactory items are processed in accordance with workplace instructions |
| | 4.5 | Cut materials are labelled and despatched to next process in accordance with workplace procedures |
| 5 | Conduct sewing operation | |
| | 5.1 | Items to be sewn are inspected for quality and dimensions |
| | 5.2 | Sewing machine, including attachments, as required, is set |

- up in accordance with workplace instructions
- 5.3 Machine is operated in accordance with manufacturer instructions and workplace procedures to maintain required product quality and output
 - 5.4 Reinforcing/protective measures, fittings/attachments and fixing devices are attached in accordance with workplace procedures
 - 5.5 Finished items are inspected for quality with unacceptable items being reprocessed in accordance with workplace procedures
- 6 Complete work
- 6.1 Workplace documentation, including stock usage, is completed and processed following workplace procedures
 - 6.2 Equipment maintenance and work area clean-up are completed following workplace procedures
 - 6.3 Waste is collected and bundled for recycling/re-use 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
Tools and equipment include:	- measuring tape - scissors - cutting blades - knives and thread
Machines include:	- overlocker - flatbed - walking foot
Materials may include:	- cloths - canvases - acrylics - carpets - foam-backed fusion bonded - needle punched materials - thread
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 LMFUP3013B Cut and sew canvas and acrylics.

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 MSFUP3013 Cut and sew canvas and acrylics

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
- Measure, cut and sew one (1) canvas product and one (1) acrylic product applying binding as an edge finish to a curve and three (3) corners, two metres in length
- 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 cutting and sewing process
- Operation of work systems and cutting and sewing equipment
- Characteristics of the materials used and the application 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 a cutting table, scissors, blades and cutting machines, sewing machine and a work order.

Links

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