



**Australian Government**

**Assessment Requirements for MSFUP3014  
Set up, operate and maintain computer  
numerically controlled (CNC) cutting  
machines**

# **Assessment Requirements for MSFUP3014 Set up, operate and maintain computer numerically controlled (CNC) cutting machines**

## **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
- Set up and program a CNC machine for the cutting task, load fabric and operate machine to accurately cut components for an upholstered furnishing item
- 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**

- Work flow in relation to the operation of CNC machines
- Identification of machines, processes and procedures, including maintenance requirements
- Procedures for reporting materials, product or equipment faults
- Quality requirements of components produced
- Characteristics of materials used and uses of products produced
- Workplace safety system requirements related to the operation of CNC machines

## **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 CNC cutting machines, standard operating procedures, unprocessed materials and work orders.

## Links

Companion Volume implementation guides are found in VETNet -

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