



Australian Government

**Assessment Requirements for MSFGG4005
Set up, configure, upgrade and troubleshoot
glass and glazing plant and ancillary
equipment**

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Modification History

Release 1 - New unit of competency

Performance Evidence

- Comply with all relevant safety requirements, including isolation or shutdown of machines, use of safety and lockout devices, and attachment of appropriate warning tags
- Interpret glass processing machine and ancillary equipment specifications for machine setting and maintenance
- Set-up and edit programs for at least three (3) different types of glass processing plant
- Conduct sample runs of machines and manage quality assurance by checking products against required standards
- Perform normal testing, setting and maintenance of machines, investigate improper operation, and identify and rectify operating problems, including adjustments/rectifications/modifications
- Document and communicate work-related information, including reporting of non-conforming outcomes and other problems
- Instruct machine operator on the correct sequence of operations and processing specifications
- 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

- Principles of operation of glass processing plant/equipment
- Interactions between plant units within the entire plant
- The architecture and location of the glass process/production equipment
- Specific glass plant process operations
- Interactions between glass plant items/processes
- Glass product specifications and quality standards
- Hierarchy of control and basis of control for glass plant/s
- Glass and glass processing plant technical specifications and repair manuals
- Principles and techniques of machine setting and adjustment
- Troubleshooting procedures for testing equipment, typical fault conditions and relevant fault finding procedures
- Maintenance and repair processes and techniques
- Workplace procedures and maintenance planning
- Procedures for attaching ancillary device(s) to non-NC/CNC machines
- Measuring devices/techniques for checking glass products
- Effects of changes to cutting feeds and speeds
- Hazards and control measures associated with computer controlled machines, including housekeeping

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 glass processing plant and ancillary equipment, relevant setting, operating, testing, maintenance and repair manuals for plant, glass products specifications, and quality standards and organisational procedures.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>