



Australian Government

Assessment Requirements for MSFGG4007 Manage glass processing plant shutdown and re-start

Release: 1

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Modification History

Release 1 - New unit of competency

Performance Evidence

- Consistently:
 - recognise early warning signs of equipment/processes needing attention or with potential problems
 - determine and analyse the range of possible plant problem causes and the most likely cause
 - take appropriate action to ensure a timely return to full performance
 - recognise obvious problems in related plant areas and make an appropriate contribution made to their solution
- Shutdown and re-start a glass processing plant safely and efficiently
- Communicate ideas and information to enable confirmation of work requirements and specifications and the reporting of work outcomes and problems
- 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 tolerances
- Hierarchy of control and basis of control for glass plant/s
- Communication protocols (e.g. radio, phone, computer, paper and permissions/authorities)
- Routine glass processing plant problems, faults and their resolution
- Relevant alarms and actions
- Complex process drawings (e.g. piping and instrumentation diagrams (P&ID), probability of failure on demand (PFD), and cause and effect)
- Plant process idiosyncrasies
- Correct methods of starting, stopping, operating and controlling glass processing plants
- Corrective action appropriate to the problem cause
- Function and troubleshooting of major glass processing plant components and their problems
- Process control philosophies and strategies
- Emergency shutdown procedures
- Physics, chemistry and mathematics relevant to the process

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 control systems for glass processing plant and equipment, workplace documentation, procedures and job requirements.

Links

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