



Australian Government

**Assessment Requirements for MSFGG4015
Manage glass processing plant shutdown
and restart**

Release: 1

Assessment Requirements for MSFGG4015 Manage glass processing plant shutdown and restart

Modification History

Release 1. Supersedes and is equivalent to MSFGG4007 Manage glass processing plant shutdown and restart.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- shutdown and restarted a glass processing plant safely and efficiently on at least 1 occasion.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- workplace safety system and its relationship to plant shutdown and restart
- basic physics, chemistry and mathematics relevant to the process
- glass product specifications and tolerances
- general operating principles and features of glass processing plants, including:
 - process control philosophies, strategies and systems, including multiple control systems
 - basis of control for glass processing plant/s
 - systems operating parameters and integrity limits
 - architecture and location of the glass process and/or production equipment
 - interactions between glass plant items and/or processes and between plant units within entire plant
 - communication systems and protocols
 - fire and gas detection and/or protection systems
 - emergency shutdown procedures
- organisational procedures for the operation of a specific glass plant
- planned, unplanned and emergency reasons for processing plant shutdown, and different types of shutdown:
 - shutdown 'to cold'
 - short shutdown to allow minor work
 - 'warm shutdown'
 - plant trip and restart 'hot shutdown'
- the actions involved in facilitating a shutdown and who is involved
- typical routine and major glass processing plant idiosyncrasies and problems, faults and the process of how to respond

- personnel involved in a shutdown and their respective roles
- complex process drawings, including piping and instrumentation diagrams (P&ID), probability of failure on demand (PFD)
- correct methods of starting, stopping, operating and controlling glass processing plants.

Assessment Conditions

Skills must have been demonstrated in a glass processing workplace.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

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