



Australian Government

Assessment Requirements for MSF GG3041 Manufacture insulated glass units

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSF GG3013 Set up and operate insulated glass unit manufacturing equipment.

Performance Evidence

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

- prepared, set up and manufactured units of 2 different thicknesses and conducted the appropriate quality testing of 2 differing insulated glass unit (IGU) configurations to the capacity of the IGU machine in accordance with all safety and Australian Standards requirements.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- purpose and key provisions of Australian Standards – glass and window rating systems for insulation applications and when IGUs are appropriate:
 - AS/NZS 2208
 - AS/NZS 4666
- workplace safety system requirements related to the operation of IGU manufacturing equipment
- work flow requirements relating to the operation of IGU manufacturing equipment, including how the process fits into the overall glass processing system
- the role and importance of communication with others in relation to quality and safety
- mathematical procedures for calculation of IGU weight
- common items found in work instructions for IGU operations, including:
 - material to be used
 - process required to complete work tasks
 - the required size of the units
 - number of IGUs required and holding area for completed items
- characteristics of materials used and uses of products produced in the IGU manufacturing process
- glass and window rating systems for insulation applications
- types, characteristics, safe use, maintenance and limitations of tools and equipment
- characteristics and uses of other material used, including:

- procedures for each step of the IGU process, the types of problems that may occur and how to avoid and respond
- quality indicators for finished products
- procedures for the recording, reporting and maintenance of workplace records and information.
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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - equipment, tools and materials to complete tasks in the Performance Evidence
 - glass product to be processes
 - safety and personal protective equipment
 - work orders
 - workplace procedures.

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>