



Australian Government

**Assessment Requirements for MSFGG3028
Select, cut and process materials for glazing
products**

Release: 1

Assessment Requirements for MSFGG3028 Select, cut and process materials for glazing products

Modification History

Release 1. Supersedes and is not equivalent to MSFGG2009 Fabricate and assemble frames, and, MSFGG3020 Use static machines for aluminium and unplasticised polyvinyl chloride (uPVC) fabrication.

Performance Evidence

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

- completed all of the following in accordance with work, safety and Australian Standards requirements:
 - produced a cutting list by hand and through use of software
 - identified, selected and checked 3 different extrusion profiles against customer requirements
 - cut:
 - 3 different profiles
 - 3 different lengths to allow 3 different set up and checks of the saw
 - processed materials for 2 different product types by hand:
 - using a jig
 - using hand tools including punches and files
 - processed materials for 2 different product types by machine (must be different to those products processed by hand)
 - demonstrated skills in:
 - identifying the correct processing type
 - identifying the correct die
 - changing the die in the press
 - drilling or crimping
 - precision measurement
 - safe use of a die punch press.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- Australian Standards/New Zealand Standards AS/NZS 4667 and AS1288: their key purpose and how they impact fabrication work
- mathematical procedures for estimation, optimisation and precision measurement
- glazing product cutting and processing:

- workplace safety system requirements
- work flow requirements
- qualities and characteristics of materials used in different glazing products
- how to interpret cutting and processing requirements from different types of work documentation
- cutting and processing techniques, the types of problems that may occur and how to avoid and respond:
 - identifying the correct processing type
 - identifying the correct die
 - changing the die in the press
 - drilling or crimping
 - precision measurement
 - safe use of a die punch press
- installation considerations for different products and how this impacts cutting and processing
- types, characteristics, safe use, maintenance and limitations of cutting tools and equipment:
 - hack saw
 - drop saw
 - rip saw
 - up cut saw
- techniques and requirements for calibrating and adjusting cutting equipment
- types, characteristics, safe use, maintenance and limitations of different jigs and fixtures and die punch presses
- quality indicators for cut and processed components
- documentation requirements for fabrication work.
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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
 - 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>