



Australian Government

Assessment Requirements for MSFGG3017 Fabricate and install commercial glazing

Release: 2

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Modification History

Release 2 - Update of Australian Standards codes. Statement regarding currency of Australian Standards included in Range of Conditions and Performance Evidence.

Release 1 - New unit of competency

Performance Evidence

- Interpret work order and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Measure for the installation of flat and curved commercial windows, shopfronts and doors and work from product specification data sheets and/or specified software programs
- Identify and select product materials that are fit for purpose and fabricate frame and sash components, including cutting, tooling/milling, routing, drilling and/or crimping
- Identify, select and install component hardware, including weather seals, wheels, stays, hinges and concealed overhead closer (COC) pivots, guides and/or locks
- Select and cut glass to AS 1228:2006 Glass in buildings - Selection and installation, and AS/NZS 4667:2000 Quality requirements for cut-to-size and processed glass
- Assemble frames, including glass, gaskets, tapes, sealants, adhesives and fasteners in accordance with AS 2047:2014 Windows in buildings - Selection and installation
 - *Note, wherever Australia Standards are listed they apply at the time of publication, but the most current version (including amendments) or replacement versions are to be used.*
- Install framed and frameless commercial windows
- Calculate the cost of commercial windows, shopfronts and doors
- Use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate material requirements
- 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

- Types, qualities and characteristics of flat and/or curved glass, including hazards and handling requirements
- Techniques, methods, materials and processes of fabricating and installing commercial glazing
- Curved glass characteristics and uses
- Work flow requirements in relation to the fabrication and installation of commercial glazing
- Relevant Australian Standards
- Application and operation of tools and equipment used
- Correct identification of equipment, processes and procedures
- Workplace safety system requirements related to the fabrication and installation of commercial glazing

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 frames, flat and/or curved glass, fixing materials, sealants, workplace operating procedures and work orders, personal protective equipment and an appropriate work area/site.

Links

Companion Volume implementation guides are found in VETNet -

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