



Australian Government

Assessment Requirements for MSF GG4020 Perform laser measurement and levelling of glass windows and doors

Release: 1

Assessment Requirements for MSFGG4020 Perform laser measurement and levelling of glass windows and doors

Modification History

Release 1. Supersedes and is equivalent to MSFGG4012 Perform laser measurement and levelling for glass windows and doors in buildings. Changes to title, application, elements, performance criteria and assessment requirements.

Performance Evidence

There must be evidence the candidate has completed the tasks in the elements and performance criteria of this unit of competency and has demonstrated the ability to:

- in two locations:
 - set up the laser levelling device to ensure accurate measurements
 - level and align, either sub-frame or sub-channel, for installation in buildings:
 - a glass door
 - a shopfront
 - a glass balustrade
 - confirm the accuracy of the measurements taken.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- principles of levelling and alignment and numerical operations, geometry and calculations and/or formulae for levelling, including Reduced Level (RL)
- the requirements of AS 2047 Windows and external glazed doors in buildings (current at the time of publication. If this is revised, the superseding standard must be used.)
- the safe and correct use of, and maintenance requirements for, tools and equipment for performing laser measurement and levelling of glass windows and doors
- glass product specifications and tolerances plus or minus 1 mm and size over a distance
- manufacturers' use and maintenance instructions for levelling devices, including the:
 - rotating laser level
 - line and dot level
 - dual beam level
 - laser square level
- manufacturers' installation instructions for windows, doors, jacking bolts, shims, packers and fasteners
- the most common issues that can arise when performing laser measurement and levelling of glass windows and doors and how to avoid and respond to them
- workplace policies and procedures relevant to their job role and responsibilities including for:

- performing laser measurement and levelling of glass windows and doors
- communication and reporting
- environmental protection and sustainability, including waste
- quality indicators for completed work
- work health and safety, including use of personal protective equipment and safety data sheets
- work planning
- how to identify if glass windows and doors are not levelled correctly, and the consequences of not levelling them correctly

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:
 - buildings in which to level, outline and install glass windows and doors
 - windows, doors, jacking bolts, shims, packers, fasteners and other materials required by job instructions
 - laser levelling equipment and other tools and equipment required for the activities set out in the elements and performance criteria, including those to control hazards
 - job instructions and 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>