



Australian Government

**Assessment Requirements for MSFID6011
Resolve complex spatial design problems
through modelling**

Release: 1

Assessment Requirements for MSFID6011 Resolve complex spatial design problems through modelling

Modification History

Release 1. Supersedes and is equivalent to MSFID6001 Resolve complex spatial design problems through modelling.

Performance Evidence

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

- fully resolved a final design solution for 3 complex spatial design problems through manual or computer-based modelling, demonstrating skills in:
 - collaboration
 - critical thinking
 - creativity and innovation.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- elements and principles of design, their interrelationships, and how they are used in interior design
- design process and progression of ideas
- design communication techniques
- types and nature of complex spatial challenges, and how modelling can be used to resolve:
 - apertures
 - atriums
 - ceiling planes
 - mezzanines
 - multi-level spaces
 - public spaces
 - staircases
 - thresholds
 - transitional spaces
 - vertical and horizontal circulation systems
 - voids
- different modelling and/or 3D visualisation techniques:
 - concept modelling
 - mass modelling

- detailed modelling
- 3D printing
- CAD models
- features and uses of White models
- features and uses of Maquettes
- structures in design contexts
- modular systems and repeats
- advanced 3D geometry.

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:
 - design briefs involving complex spatial challenges
 - manual or computer aided modelling materials.

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>