



**Australian Government**

**Assessment Requirements for MSFID4020  
Research and integrate embedded  
technologies in interior designs**

**Release: 1**

# Assessment Requirements for MSFID4020 Research and integrate embedded technologies in interior designs

## Modification History

Release 1. New unit.

## Performance Evidence

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

- researched and integrated embedded technologies in response to 3 different project briefs that individually or cumulatively require solutions for:
  - automation
  - appliance integration.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- legal and ethical considerations for the provision of design advice on embedded technologies, including:
  - individual worker responsibilities under Australian consumer law
  - compliance requirements for products recommended
  - installation requirements as per National Construction Code (NCC) and relevant licensing regimes
- type and scope of client / project brief information needed to inform research and recommendation:
  - budget
  - aesthetic and functional client preferences
  - site characteristics
  - timeline
- types and features of resources that support the provision of design advice, and how they are used, including:
  - research tools
  - product tools
  - communication tools
- sources of credible information on embedded technologies, including:
  - how to access
  - ways to interrogate and identify and distil information
  - how to distinguish reputable products

- availability and features of current and emerging embedded technologies used in different interior spaces, including those related to:
  - appliances
  - automated drawers and doors
  - counter tops
  - computer screens
  - lifting systems
  - lighting systems
  - sound systems
  - switch glass
  - window furnishings
- factors for consideration in selecting embedded technologies:
  - accessibility
  - compatibilities from safety perspective
  - compliance with Australian Standards
  - privacy
  - security
  - service requirements and availability of servicing
- considerations and limitations for embedding technologies in different cabinetry and interior spaces
- installation requirements for different types of embedded technologies, including who is able to install different types of technologies
- how to specify embedded technologies on design documentation.

## 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
  - information technology for research and design presentation.

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>