



**Australian Government**

# **MSFID6020 Develop commercial interior design project documentation**

**Release: 1**

# MSFID6020 Develop commercial interior design project documentation

## Modification History

Release 1. Supersedes and is not equivalent to MSFID5004 Specify structural elements, systems and services for interior spaces.

## Application

This unit describes the skills and knowledge required to produce commercial interior design project documentation using computer-aided design (CAD) programs. Project documentation covers researching, resolving and detailing through drawings, the materials, construction methods and building services associated with retail, hospitality, and workplace interior design projects. Designs may be for the fit-out of entire buildings or for tenancies within larger buildings, new or existing.

This unit applies to interior designers.

Licensing, legislative or certification requirements may apply to this unit and relevant state/territory and local government agencies should be consulted to determine any necessary certification or licensing for undertaking interior decoration and design work. Access to construction sites requires certification of general induction training specified by the National Code of Practice for Induction for Construction Work (ASCC 2007).

## Pre-requisite Unit

N/A

## Unit Sector

Interior design

## Elements and Performance Criteria

| Elements                                         | Performance Criteria                                                                                                                                                                                                                                                                              |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                            |
| 1. Confirm detailed design requirements          | 1.1 Confirm documentation requirements through analysis of the design proposal<br>1.2 Analyse the site and building construction to identify structural and service implications of proposed design<br>1.3 Identify building classification and review regulatory implications of proposed design |

| Elements                                            | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i>    | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                     | 1.4 Identify building services, and implications of proposed design<br>1.5 Identify and respond to the need for professional advice on design viability<br>1.6 Identify and plan appropriate digital drawing schedule based on review of required project trades, construction and requirements                                                                                                                                                                                                                                                                                                                                         |
| 2. Research and resolve interior details            | 2.1 Research methods of construction and assembly for the proposed interior elements<br>2.2 Research materials, hardware and fixtures appropriate for the scope of the project<br>2.3 Modify and resolve details to meet requirements and prepare detailed development drawings<br>2.4 Seek client feedback and agree on any modifications                                                                                                                                                                                                                                                                                              |
| 3. Prepare digital construction documentation       | 3.1 Develop accurate and fully dimensioned plans, sections and reflected ceiling plans with required annotations<br>3.2 Develop fully dimensioned and annotated details for material junctions, wall construction, ceiling elements<br>3.3 Identify services requirements and accurately integrate into documentation<br>3.4 Include all required information related to substrate, finish, junctions and fixings<br>3.5 Develop associated accurate, itemised specification notes and schedules in accordance with job requirements<br>3.6 Seek and incorporate client feedback on any design changes and on detail design development |
| 4. Manage documentation package and quality control | 4.1 Maintain current and accurate drawing register<br>4.2 Develop and implement coding and numbering system for drawings<br>4.3 Manage drawing amendments in accordance with agreed processes and procedures<br>4.4 Produce document package in required formats                                                                                                                                                                                                                                                                                                                                                                        |

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Unit Mapping Information

No equivalent unit.

## Links

Companion Volume implementation guides are found in VETNet -

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

# Assessment Requirements for MSFID6020 Develop commercial interior design project documentation

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## Performance Evidence

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

- developed digital drawings, specifications and schedules for 3 commercial interior designs that individually or cumulatively include:
  - class 5 or above buildings or projects with multi-classification
  - spaces with multiple levels
  - designs with structural requirements
  - service requirements
  - detailing of custom joinery
- produced complete documentation package in 2 different formats.
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## Knowledge Evidence

- role of Australian Standards and the National Construction Code (NCC) and statutory planning regulations affecting commercial interior design in class 5 or above buildings or multi-classification buildings for:
  - aged care facilities
  - bar and/or restaurant projects
  - hotels
  - retail projects
  - workplaces
- commercial building classes, their features, regulatory framework and impact on interior fit-out requirements:
  - accessibility
  - acoustic controls
  - energy ratings
  - fire egress and exit pathways
  - floorplate densities
  - fire rating level (FRL) requirements of materials
  - natural and artificial light
  - natural and mechanical ventilation

- sustainability score systems and/or indexes
- toilets and/or sanitary provisions
- sources of professional advice on building and construction
- mathematical procedures for estimation, measurement and use of computer aided drawing technology
- computer aided drawing techniques, building and architectural terminology and architectural drawings conventions:
  - coding
  - cross referencing
  - line weights
  - scale
  - symbols
- scope of commercial interior design projects, and when an architect or structural engineer needs to be involved
- break-down of projects into logical parts based on the construction process and the type of drawings and documentation required for different trades
- construction of built interior elements, load bearing and non-load bearing, and how they are represented on drawings and specifications:
  - beams and columns
  - ceilings, ceiling components, and integrated services
  - doors and assemblies
  - floors and flooring systems and integrated services
  - stairs and balustrades
  - walls, partitions, glazing and components
- materials used in commercial interior design fit-outs, the fundamental techniques of how they are applied, fixed and detailed through drawing and schedules:
  - floor materials, junctions and offsets
  - formats and required inclusions for design specifications
  - FRL requirements
  - glazing and doors
  - interior claddings
  - wall linings
- architectural elements in commercial interiors, their features, regulatory requirements structural implications, and how they are represented on architectural drawings:
  - building cores
  - lifts and lift lobbies
  - service and utility spaces
  - stairs and fire stairs
  - tenancy separations and fire separation
  - toilets
  - voids and atrium

- custom joinery for commercial interior design, the fundamental techniques of how they are assembled, constructed and detailed through drawing:
  - architectural hardware
  - bars
  - built-in furniture and seating
  - ceiling features
  - concealed lighting
  - display systems
  - integrated technology
  - platforms and/or raised floors
  - point of sale display systems
  - reception desks
  - storage
  - substrates and finish material
  - workstations
- commercial building construction and how to interpret architectural and engineering drawings:
  - beams and/or trusses
  - concrete
  - curtain walls and external glazing
  - glass
  - masonry
  - steel
  - structural grids
- structural implications and limitations for interior design in commercial buildings:
  - impact of interior floor and ceiling penetrations
  - impact of changes to interior load bearing elements
  - structural integration of new interior elements with existing (or proposed) building
- commercial kitchen documentation requirements and associated regulations
- types of services in commercial and multi-residential buildings, their features, regulatory requirements and how they are represented on detailed design drawings:
  - acoustics
  - electrical
  - environmental controls
  - hydraulics
  - information and communications technology (ICT)
  - lighting
  - mechanical ventilation.
- documentation management and controls:
  - amendments and multi-access drawing protocols

- drawings codes and cross-referencing
- drawings schedules
- file management – cloud, print and digital
- quality control
- formats and required inclusions for schedules and design specifications:
  - door schedules
  - fixtures, furniture and equipment schedules
  - materials schedules.

## 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 information for documentation
  - information technology hardware
  - CAD software.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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