



Australian Government

MSFID5025 Develop residential interior design project documentation

Release: 1

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Modification History

Release 1. Supersedes and is not equivalent to MSFID4007 Identify materials, construction techniques and methods used in building interiors.

Application

This unit describes the skills and knowledge required to produce residential interior design project documentation using computer-aided design (CAD) programs. Documentation includes researching, detailing and specifying the materials, construction techniques and methods associated with residential interior design fit-outs for new or existing buildings.

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 Analyse site measurements and design drawings to confirm information on structures and services 1.2 Identify structural and service impacts of proposed design 1.3 Review regulatory implications of proposed design 1.4 Identify and respond to the need for professional advice on design viability 1.5 Identify and plan appropriate digital drawing schedule based on

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	review of required project trades, construction and requirements 1.6 Identify and accurately document areas for demolition
2. Prepare digital design documentation	2.1 Research methods of construction and assembly for the proposed interior elements 2.2 Research materials, hardware and fixtures appropriate for the scope of the project 2.3 Develop accurate scale drawings of all built elements with required dimensions and annotations 2.4 Include all required information related to substrate, finish, junctions and fixings 2.5 Develop associated accurate, itemised specification notes and schedules in accordance with job requirements 2.6 Seek and incorporate client feedback on any design changes and on detail design development
3. Manage documentation package	3.1 Maintain current and accurate drawing register 3.2 Develop and implement coding and numbering system for drawings 3.3 Manage drawing amendments in accordance with agreed processes and procedures

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 MSFID5025 Develop residential 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 residential interior designs that individually or cumulatively include:
 - detailing of kitchen and bathrooms
 - spaces with multiple levels
 - designs with structural implications such as changes to load bearing elements or floor penetrations
 - detailing of custom joinery and furniture
 - detailing of wet areas.
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Knowledge Evidence

- role of Australian Standards and the National Construction Code (NCC) statutory planning regulations affecting residential interior design for:
 - single occupancy detached and/or attached dwellings
 - multi-residential projects
 - individual sole occupancy units within a class 2 building
- mathematical procedures for estimation, measurement and use of computer aided drawing technology
- computer aided drawing techniques
- basic building and architectural terminology and architectural drawings conventions
 - line weights
 - symbols
 - coding
 - scale
 - annotations
- scope of commercial interior design projects, and when an architect or structural engineer needs to be involved
- structural implications and limitations for interior design in residential 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) structure
- sources of professional advice on building and construction
- break-down of the design project and its components for construction, the different trades involved, and the type of drawings and documentation required
- residential building classes and a basic knowledge of how they are constructed:
 - beams and/or trusses
 - concrete
 - floor slabs
 - foundations
 - glass
 - masonry
 - steel
 - timber
 - windows
- construction of built interior elements, load bearing and non-load bearing, and how they are represented on drawings and specifications:
 - ceiling components
 - interior beams
 - interior stairs
 - internal columns
 - internal doors
 - internal floors
 - internal wall assemblies
- custom joinery for residential interior design, the fundamental techniques of how they are assembled, constructed and detailed through drawing:
 - architectural hardware
 - balustrades
 - built in furniture
 - built storage
 - carcasses and substrates
 - ceiling features
 - concealed lighting
 - feature walls and panelling
 - kitchen and bathroom cabinetry and details
 - pelmets
 - stairs, platforms, and/or raised floors
 - window seats
- materials used in residential interior design the fundamental techniques of how they are researched, fixed, and detailed and specified through drawings and schedules:

- claddings
- floor materials
- formats and required inclusions for furnishing, fixtures and equipment schedules
- formats and required inclusions for design specifications.
- formats and required inclusions for door and furniture hardware
- formats and required inclusions for door and window schedules
- formats and required inclusions for materials schedules
- glazing
- linings
- stone
- wall materials
- wet areas- fixtures, fittings and surface treatments
- building services in residential design, their features, regulatory requirements and structural implications and how they are represented on detailed design drawings:
 - hydraulics
 - electrical
 - information and communications technology
- conventions for document and drawing management and control:
 - title blocks
 - amendments
 - cross referencing
 - coding
 - review processes.
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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.

Links

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