



Australian Government

Assessment Requirements for MSFID6018 Apply 3D digital visualisation techniques to represent interior designs

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSFID6002 Apply 3-D visualisation techniques to represent interior designs.

Performance Evidence

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

- used creative and critical thinking processes to render digital models for representation of interior design project intentions using digital software applications, and created rendered perspective views, including the creation of the following effects:
 - lighting
 - shading
 - rendering
 - furniture and fittings
 - reflections and translucency
 - foreground objects
 - integrating realistic background and views
 - accurate representation of materiality and texture
 - mood and atmosphere
 - simulated day and night-time effects
 - texturing.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- elements and principles of design
- ergonomics, anthropometrics, proxemics and aesthetic values
- mathematical procedures for estimation and measurement
- standards, requirements, policies and procedures for producing digital rendering
- types of digital rendering software packages, their features and capabilities, and how they are manipulated to achieve desired outcomes
- the digital rendering process and how it can be optimized
- equipment requirements and procedures for their safe use, operation and maintenance
- types of problems with digital rendering and how they can be resolved
- methods of storage for rendered components

- procedures for the recording, reporting and maintenance of digital rendering records and information
- applying rendering tasks using and refining render components for best performance
- techniques for visualising 2D notions into 3D space.
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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:
 - completed designs in modelling software for extraction
 - digital hardware and software.

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>