Assessment Requirements for MSFID5006 Design interior lighting

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Modification History

Release 1 - New unit of competency

Performance Evidence

- Interpret work orders and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:

  - minimise the risk of injury to self or others
  - prevent damage to goods, equipment and products
  - maintain required production output and product quality

- Assess light for its environmental impact and ability to meet lighting design requirements and provide clients with cost-effective and efficient lighting solutions
- Apply design elements and principles in recommending light design and provide documented lighting layout and schedule
- Use mathematical ideas and techniques to correctly complete measurements, calculate area/volume and estimate material requirements
- Communicate ideas and information to enable confirmation of work requirements and specifications, presentation of design/colour concepts, and the reporting of work outcomes and problems
- Use computer operations for internet searches and CAD operations
- Analyse light fitting performance characteristics
- Initiate new ideas and work techniques
- Avoid backtracking, work flow interruptions or wastage
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

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Knowledge Evidence

- State or territory WHS legislation, regulations, standards and codes of practice relevant to the full range of processes for assessing interior light and recommending light design
- Organisational and site standards, requirements, policies and procedures
- Australian lighting standards and drawing conventions
- Research sources for lighting
- Ergonomics, anthropometrics, proxemics and aesthetic values
- Natural light characteristics and controls
- Artificial light characteristics and controls
- Structural influences on lighting
- Design themes and design development
- Sketching and drawing techniques
- Procedures for the recording, reporting and maintenance of workplace records and information
- Appropriate mathematical procedures for estimation and measurement
- Environmental protection requirements
- Established communication channels and protocols
- Relevant problem identification and resolution techniques

Assessment Conditions

- Assessors must:
    - hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors
    - have vocational competency in the furnishing industry at least to the level being assessed with broad industry knowledge and experience, usually combined with a relevant industry qualification
    - be familiar with the current skills and knowledge used and have relevant, current experience in the furnishing industry.
- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to materials, equipment and specifications relevant to designing interior lighting.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27 b03ed73