



Australian Government

Assessment Requirements for MSMOPS601 Design equipment and system modifications

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MSAPMOPS601A Design equipment and system modifications

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and demonstrate the ability to:

- interpret design requirements
- evaluate design options against modification/design requirements
- assess and evaluate design concepts
- implement and test modifications
- apply technical skills, including performing technical calculations
- conduct tests and prepare drawings/documentation
- communicate effectively within the workplace, including liaising with other departments and consultation with internal or external specialists
- establish or interpret procedures, where required
- determine report requirements and present information in appropriate formats.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- appropriate design techniques
- relevant Australian (or other) design standards
- relevant regulatory requirements and codes of practice
- HSE considerations in relation to equipment/system design
- workplace requirements
- reporting/recording processes
- internal and external stakeholders and sources of expertise
- enterprise production processes, facility and materials and how they relate to equipment/system design.

Assessment Conditions

- The unit should be assessed holistically and the judgement of competence based on a holistic assessment of the evidence.
- The collection of performance evidence is best done from a report and/or folio of evidence drawn from:

- a single project which provides sufficient evidence of the requirements of all the elements and performance criteria
- multiple smaller projects which together provide sufficient evidence of the requirements of all the elements and performance criteria.
- It is desirable that this evidence comes from implemented design projects. However, where the project does not receive sanction to be implemented, or is otherwise not implemented, then sufficient evidence may be able to be obtained from a detailed implementation plan and a simulated implementation.
- A third-party report, or similar, may be needed to testify to the work done by the individual, particularly when the project has been done as part of a project team.
- Assessment should use a real project in an operational workplace.
- Knowledge evidence may be collected concurrently with performance evidence or through an independent process, such as workbooks, written assessments or interviews (provided a record is kept).
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.
- The regulatory framework will be reflected in workplace policies and procedures and is not required to be independently assessed.
- Foundation skills are integral to competent performance of the unit and should not be assessed separately.
- As a minimum, assessors must satisfy the Standards for Registered Training Organisations 2015 assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>