



Australian Government

Assessment Requirements for AUMFTM003 Develop conceptual models and prototypes

Release: 1

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Modification History

Release	Comment
Release 1	Unit updated to reflect the new standards for Training Packages Replaces AUMFTM5003 Develop conceptual models and prototypes

Performance Evidence

Before competency can be determined, individuals must have competently developed conceptual models and prototypes on a minimum of two occasions.

Individuals must demonstrate they can:

- comply with workplace standards, safe work practices and workplace procedures for developing conceptual models and prototypes
- communicate effectively with design engineers during development process
- apply, within scope of own authority, the requirements of the job in relation to:
 - developing conceptual models and prototypes that satisfy customer requirements
 - achieving work quality goals
 - completing documentation of the model and prototype development process
 - completing work area housekeeping requirements, including documentation of project activity, process and outcomes.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) requirements when developing models and prototypes
- common types and applications of conceptual model and prototype plans and specifications
- workplace procedures for developing conceptual models and prototypes
- methods for determining model and prototype requirements and producing models
- operation of vehicle design software systems and components
- techniques to test and evaluate models and prototypes against project objectives, specifications and workplace standards
- workplace quality standards relating to developing conceptual models and prototypes
- procedures for recording and reporting workplace records and information.

Assessment Conditions

Assessors must satisfy SNR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the conceptual models and prototypes that they have developed, e.g. work orders.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- workplace location or simulated environment
- materials, tools, equipment and machinery required for developing conceptual models and prototypes
- workplace procedures to develop conceptual models and prototypes.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=bd587669-08b3-4cd5-85f0-f9fa0c6304c1>

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