



Australian Government

Assessment Requirements for ICTSAD501 Model data objects

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

Performance Evidence

Evidence of the ability to:

- document client business requirements
- construct an entity relationship diagram
- construct and document a data model
- normalise the model
- validate the model.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- fully describe:
 - database identifiers and their impact on database usability
 - normalisation rules and processes
 - type hierarchies, including sub-types, super-types and root-types related to development of structured data types
 - validation procedures and processes
- describe the function and features of:
 - an approach to data modelling, such as the entity-relationship model
 - keys, e.g. unique keys, composite keys, primary keys and primary index
 - time stamps related to the use of keys
 - user defined types, structured types, reference types and user defined functions
 - data types and their application
- summarise the particular business domain.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the systems analysis and design field of work, and include access to:

- client's business requirements
- special purpose tools, equipment and materials
- industry software packages
- computer aided software engineering (CASE) tools
- entity relationship diagrams.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>