



Australian Government

Assessment Requirements for ICTDBS506 Design databases

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 6.0.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- design, develop and implement a simple database on at least one occasion.

In the course of the above, the candidate must:

- document the database requirements, design plan and procedures.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- process for conducting data analysis, data types and data structures, query and report design
- data modelling procedures related to conceptual data model development
- data redundancy identification methodologies
- database management system (DBMS) design phase fundamentals
- encryption and authentication database security features
- functions and features of data types and data structures, and of databases
- logical design concepts, including those for data structures, queries screens and reports
- object model design concepts, including those for data structures, queries, screens and reports
- database scalability.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- industry standard equipment and materials

- industry standard database software
- network and other systems required for remote or multi-user access
- organisational requirements and deliverables
- computer-aided software engineering (CASE) or diagramming software.

Links

Companion Volume Implementation Guide is found on VETNet -

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