



Australian Government

Assessment Requirements for ICTDBS413

Determine database requirements

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 4.0.

Performance Evidence

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

- For one database:
 - analyse user requirements and system architecture
 - determine the scope and size of the database
 - evaluate at least three database management systems and select option to meet user requirements
 - develop technical database requirements including tables, relationships, dictionary, attributes and keys
 - document the database scope and requirements
 - align database management system and related user security with data security plan
 - seek and incorporate user feedback
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Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements and performance criteria of this unit. This includes:

- Principles of databases and database design
- General features and capabilities of current databases and database management systems
- Data types and storage requirements of data types and database management systems
- Quality assurance practices that apply to database design
- Technical and security database requirements

Assessment Conditions

Skills must be demonstrated in a workplace or simulated environment where conditions are typical of those in an ICT working environment or ICT workplace. This includes:

- User requirements and acceptance criteria
- Technical documentation defining the system architecture
- Operating system specifications and security plan
- Database supplier technical specifications and manuals
- Data sample
- Individual user to consult
- Database package

Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guides are available from VETNet -

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