



**Australian Government**

# **Assessment Requirements for ICTPRG425**

## **Use structured query language**

**Release: 1**

# Assessment Requirements for ICTPRG425 Use structured query language

## 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:

- write a simple, structured query language (SQL) statement to retrieve and sort data
- write an SQL statement that selectively retrieves data
- write SQL statements that:
  - use functions and operators
  - use aggregation and filtering
  - retrieve data from multiple tables
  - write and execute SQL sub-queries
  - create and manipulate tables to meet specific requirements
  - create and use views that satisfy information requirements
  - create and use stored procedures.

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:

- explain client-server concepts
- explain data-integrity concepts
- describe data-modelling structures
- explain databases and database objects, including data types, data structures, identifiers and metadata
- summarise programming concepts
- give an overview of query design
- give an overview of relational database design
- describe the SQL client environment

- describe the SQL server architecture.

## 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 programming and software development, and include access to:

- special purpose tools, equipment and materials
- industry software packages.

Assessors must satisfy NVR/AQTF assessor requirements.

## Links

Companion Volume implementation guides are found in VETNet -

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