



**Australian Government**

# **Assessment Requirements for ICTPRG403 Develop data-driven applications**

**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:

- select and code the data-access layer of multi-layer applications
- retrieve and update data from various data sources.

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:

- describe the features of object-oriented design and multi-layer applications
- outline relational database management systems
- describe object-oriented programming at an intermediate level
- outline the principles of a Structured Query Language (SQL).

## 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 field of work and include access to:

- integrated development environment (IDE)
- data access application program interfaces (APIs)
- database management system software and files
- coding standard
- specific tools and licences, depending on particular data-access API
- different types of data-access methods including data retrieval and storage, back-end coding and disconnect data management

- eXtensible markup language (XML) documents.

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>