Assessment Requirements for ICTDBS603 Determine suitability of database functionality and scalability

Release: 1

Assessment Requirements for ICTDBS603 Determine suitability of database functionality and scalability

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 a clear statement of business expectations and needs, including critical business requirements
- examine the scalability, and functionality, of a database in light of future growth
- determine database functionality and scalability system requirements
- present the findings in a report to the client.

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 the architecture of the network in which the database resides
- identify and explain, the code of ethics relevant to the computing industry in Australia
- identify the common system hardware related to the client, server and database architecture
- explain the concept of data modelling
- outline the functions and features of databases
- define "Big Data", and explain its implication for database design and functionality.

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 database field of work, and include access to:

- equipment and materials
- industry software packages

- a database management system (DBMS)
- a sample database and data.

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