



Australian Government

Assessment Requirements for ICTDAT603

Assess advanced data processes

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with the Information and Communications Technology Training Package Version 8.0. Newly created unit of competency to address in-demand skills needs.

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:

- recommend at least two strategic improvements to an organisation or work area's advanced data process
- design the implementation of at least one of the above recommendations, where the work must include implementing:
 - options
 - instructions
 - timelines.

In the course of the above, the candidate must:

- comply with required confidentiality and security clearances
- develop recommendations and contribute to the implementation of strategic improvements
- apply required organisational policies 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:

- functions and features of complex data components, including data:
 - quality
 - speeds
 - volume
 - sources
- methods to evaluate and improve data hygiene principles, including:

- eliminate redundant data
- consolidate duplicate data
- identify and scrub structural errors
- identify missing data
- standardise data
- validate data cleansing processes
- follow standard practices when adding or removing data
- review third-party data integration tools
- types of technical requirements and data extraction methodologies for different data types
- methods to assess data processes and strategies
- functions and features of common organisational data storing technologies and techniques
- data normalising methodologies used in data analysis and data reporting
- methods for securing and preparing data for data extraction
- common methods for analysing data
- confidentiality and security clearance policies related to handling data
- features of data management processes
- common strategic improvements for data management processes
- methods to update and finalise data management documentation
- organisational policies and procedures and legislative requirements relating to work tasks.

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:

- organisational data storing technologies and data management documentation
- opportunities for interaction with others.

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

Links

Companion Volume Implementation Guide is found on VETNet - -

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