



Australian Government

Assessment Requirements for ICTCYS607

Acquire digital forensic data

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 6.0.

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:

- identify, acquire and analyse digital forensic data from at least three device types, according to a reported incident.

In the course of the above, the candidate must:

- document analysis findings
- adhere to required organisational and legislative guidelines.

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:

- industry standard legislation and organisational procedures relating to acquiring digital forensic data, including
- privacy standards and policies
- data standards and policies
- internet and user identification protocols
- mobile technology protocols
- data extraction methodologies and seizure techniques on a variety of devices, including how not to damage or destroy digital evidence
- features and markers of hashing
- communication investigation techniques
- functions and features of computer systems and data stores
- data logs, including server, network and firewall logs
- function and features of system back ups
- data extraction and forensic copying techniques
- file formats including structures, locations and file systems

- data acquisition, identification and extraction methodologies including:
 - industry standard forensic tools
 - non-invasive and invasive methodologies.

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:

- three or more devices with data required for data extraction tasks
- forensic software tools required to extract data from device
- legislative and organisational procedures and requirements relating to the acquisition of digital forensic data.

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>