



Australian Government

Assessment Requirements for ICTSUS806 Lead applied research in ICT sustainability

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 2.0.

Performance Evidence

Evidence of the ability to:

- direct the formulation of a research proposal or plan that includes:
 - specific research questions on sustainability
 - valid population or sample size
 - description of the geographical, cultural, social or institutional context within which the research will be carried out
 - a full description of the data collection methods
 - analysis of the limitations to research design
- manage the design of an applied research project using appropriate tools and techniques
- design a research report with analysis of data, and valid and reliable findings
- evaluate relevance of the research results
- conduct research using recognised research techniques.

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:

- summarise environmental and sustainability legislation, regulations and codes of practice applicable to the industry and organisation
- explain audit methodology on information and communications technology (ICT) energy, waste, product life cycles and CO² emissions
- discuss principles, practices and available tools and techniques of sustainability management relevant to the telecommunications industry
- describe communication processes and methods
- explain data collection methods

- summarise legislation, regulations, policies, procedures and guidelines relating to handling or storing data, including privacy and freedom of information
- describe presentation techniques
- outline reporting methods
- discuss research ethics and codes of conduct
- summarise research tools and methods
- discuss selection of appropriate applied research techniques
- outline leadership strategies relevant to a research environment.

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 telecommunications – sustainability field of work and include access to:

- a research activity that relates to an actual workplace or simulated context and topic
- a range of tools and techniques appropriate to the given situations and research topic.

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 guides are found in VETNet -

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