



Australian Government

Assessment Requirements for ICTSUS812

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 7.0.

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:

- lead applied research in information and communications technology (ICT) sustainability for at least two projects.

In the course of the above, the candidate must:

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

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:

- required legislation, codes, company work practices, regulations and standards, work health and safety (WHS) requirements for scoped work
- environmental and sustainability legislation, regulations and codes of practice in the ICT industry
- audit methodology on ICT energy, waste, product life cycles and CO₂ emissions

- principles, practices and available tools and techniques of sustainability management required to the ICT networking industry
- communication processes and methods
- industry-accepted data collection methods
- requirements of research documentation and reports, according to organisational policy
- required legislation, codes, company work practices, regulations and standards, WHS requirements for scoped work
- leadership strategies required in a research environment.

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:

- a research activity that relates to an actual workplace or simulated context and topic
- a range of tools and techniques required for 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 Guide is found on VETNet -

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