



Australian Government

**Assessment Requirements for ICTSUS807
Conduct and manage a life cycle assessment
for sustainability**

Release: 1

Assessment Requirements for ICTSUS807 Conduct and manage a life cycle assessment for sustainability

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:

- scope and define the goals of a unique life cycle assessment (LCA) for sustainability
- produce a life cycle inventory (LCI) using relevant software and data collection strategies
- use life cycle assessment and other software for researching and interpreting charts, flowcharts, graphs and other visual data and information
- evaluate LCI and life cycle impact assessment (LCIA) results, using completeness, consistency and sensitivity checks
- make best practice recommendations based on the results of the LCA study.

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:

- outline best practice approaches relevant to own work area
- summarise environmental and sustainability legislation, regulations and codes of practice applicable to the industry and organisation
- outline the need to consider equal opportunity, equity and diversity principles and work health and safety (WHS) when conducting sensitivity checks for policy development
- outline policy development processes and practices
- explain principles, practices and available tools and techniques of sustainability management relevant to the telecommunications industry
- outline quality assurance systems relevant to own organisation
- discuss relevant organisational policies, procedures and protocols
- explain relevant systems and procedures to aid in the achievement of workplace sustainability

- explain ICT power consumption calculations
- explain power consumption and energy audit methodology
- discuss estimating CO² emissions
- summarise environmental impacts of products, processes, systems and services.

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:

- sites on which planning, design and integration of sustainability may be carried out
- relevant legislation, standards, guidelines, reports and equipment specifications and drawings
- a range of workplace documentation and personnel information and resources (such as compliance obligations, organisational plans and work responsibilities).

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>