



Australian Government

Assessment Requirements for ICTTEN427 Conduct site surveys to identify carrier installation requirements

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 ability to:

- evaluate existing infrastructure on an installation site
- integrate existing infrastructure into an installation design
- develop design specifications for an installation project
- engage stakeholders and carriers in design approval process.

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:

- identify and explain the impact of relevant legislation, codes of practice and other formal agreements that impact communications work
- describe access networks in Australia and state how it influences development of projects
- identify costs associated with carrier installations and determine estimates and operating budgets for an installation
- identify network performance information required to produce a network design
- specify current, new and emerging technologies to be considered for a communications design, including barriers that may have an impact
- define project management and its purpose and explain associated databases and project management software programs used
- explain economic and political influences and trends that impact communications installations for public and commercial enterprises
- describe a network plan and its components
- explain the purpose of having authorities and delegations required when costing and estimating financials for projects

- explain the impact of local and international economic conditions on telecommunications installations and infrastructure, and typical challenges and limits facing technology today and on future needs
- describe the process and documentation required to collate and write project briefs, reports and project charters
- identify specific work health and safety requirements relating to site conditions and activities, including manufacturer's requirements for safe operation of equipment to be incorporated into project documentation.

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 should be typical of those experienced in the telecommunications networks engineering field of work and include access to:

- a network planning area, systems and deployment rules and standards
- relevant databases, licensing requirements and other site related procedures
- a location and scenario suitable to conduct a site survey.

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>