



**Australian Government**

# **Assessment Requirements for ICTTCR301 Build a telecommunications radio structure**

**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:

- undertake pre-construction checks to ensure a safe working environment
- construct foundations according to engineering specifications
- select site for hoisting equipment, ensuring location is safe for the operator and the construction
- preassemble the structure at ground level, ensuring completion of each assembled component
- assemble and mount a telecommunications radio structure, including temporary and permanent guy anchors
- install functional and protective earthing systems, following security and safety procedures.

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 the impact that weather conditions impose on the constructions and installation of telecommunications structures
- describe the safety risks associated with the installation of telecommunications equipment in remote areas including:
  - hypothermia symptoms and methods of prevention and treatment
  - electromagnetic radiation (EMR) safety practices
  - personal protective equipment for rigging projects
  - working-at-heights safety practices
- discuss the features and operating requirements of:
  - construction equipment

- rigging equipment
- identify the information required to build a telecommunications radio structure
- describe rigging practices and systems for telecommunications radio structures
- list legislation, codes of practice and other formal agreements that impact on the work activity
- summarise licensing and regulatory issues applying to rigging practices and systems on telecommunications radio structures
- describe manufacturer's requirements for safe operation of equipment
- discuss the following work health and safety (WHS) requirements:
  - WHS legislation and regulations
  - company procedures relating to the activity and site conditions
- discuss typical issues and challenges that can occur on an installation site.

## 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 – telecommunications rigging installation field of work and include access to special purpose tools, equipment and materials.

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>