



Australian Government

UEEEEC0002 Assemble and install reception antennae and signal distribution equipment

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

Application

This unit involves the skills and knowledge required to assemble and install reception antennae and signal distribution equipment.

It includes preparing to install and set up reception antennae and signal distribution systems, installing and setting up reception antennae and signal distribution systems and reporting.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

UEECD0007 Apply work health and safety regulations, codes and practices in the workplace

UEECD0019 Fabricate, assemble and dismantle utilities industry components

UEECD0020 Fix and secure electrotechnology equipment

UEECD0051 Use drawings, diagrams, schedules, standards, codes and specifications

Competency Field

Electronics and Communications

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to install and set up reception antennae and

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1.1 Work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures

signal distribution systems	for relevant work area are identified, obtained and applied
	1.2 Risk control measures are applied in accordance with workplace procedures prior to commencing work
	1.3 Risks/hazards are identified, assessed and reported to relevant person/s, and control measures implemented
	1.4 Nature and location of the work is obtained from relevant person/s to determine the scope of work
	1.5 Instructions for coordinating work with others is obtained from relevant person/s and applied
	1.6 Materials required for work are determined in accordance with workplace procedures
	1.7 Tools, equipment and testing devices required for work are obtained and checked for correct operation and safety
2 Install reception antennae and signal distribution systems	2.1 Workplace risk control measures and workplace procedures are applied
	2.2 Circuits/components are checked and isolated, as required, in accordance with WHS/OHS requirements and workplace procedures
	2.3 Optimum location for installation of antenna is determined from signal tests and limitations imposed by the customer and relevant regulations
	2.4 Accessories are installed straight and square in required locations and within acceptable tolerances
	2.5 Cables and conductors are terminated at accessories in accordance with manufacturer specifications and regulatory requirements
	2.6 Unplanned events are reported to relevant person/s in accordance with workplace procedures
	2.7 Installation is conducted efficiently without waste of materials, damage to apparatus, circuits or the surrounding environment applying sustainable energy practices
3 Set up reception antennae	3.1 WHS/OHS work completion risk control measures and

and signal distribution systems and report

workplace procedures are followed

- 3.2** Adjustments are made to the antenna and the system to optimise reception at each outlet
- 3.3** Worksite is cleaned and made safe in accordance with workplace procedures
- 3.4** Relevant person/s is notified of completion of installation work in accordance with workplace procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEE Electrotechnology Training Package Companion Volume Implementation Guide.

Installing, connecting and setting up reception antennae and signal distribution systems must include at least the following:

- a reception antenna
- a signal distribution system

Systems must consist of at least the following:

- two outlets for two users

Unit Mapping Information

This unit replaces and is equivalent to UEENEEH108A Assemble and install reception antennae and signal distribution equipment.

Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>