



Australian Government

UEEEEC0007 Commission electronics and communications systems

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 commission electronics and communications systems.

It includes undertaking commissioning procedures of electronics and communications systems to comply with predetermined parameters and delivery to client. It also includes working safely, testing system parameters, analysing and adjusting to assure optimum performance, following workplace procedures, and documenting final operating parameters and settings.

Permits may be required for some work environments, such as confined spaces, working aloft, near live electrical apparatus and site rehabilitation.

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

Pre-requisite Unit

Not applicable

Competency Field

Electronics and Communications

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare electronics 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

communications system		for a given work area are obtained and applied
	1.2	WHS/OHS risk control measures and workplace procedures in preparation for the electronics work are followed
	1.3	Safety hazards that have not previously been identified are noted on job safety assessment, assessed and risk control measures implemented
	1.4	Appropriate person/s is consulted to ensure the electronics work is coordinated effectively with others involved on the worksite
	1.5	System operating parameters are identified by reviewing system specifications and component technical data
	1.6	Tools, equipment and testing devices needed for the electronics work are obtained in accordance with workplace procedures and checked for correct operation and safety
	1.7	Preparatory work is checked to ensure no unnecessary damage has occurred and complies with requirements
	1.8	Circuits are checked and isolated in accordance with WHS/OHS requirements and workplace procedures
2	Commission electronics and communications system	
	2.1	WHS/OHS risk control measures and workplace procedures for carrying out commissioning work are followed
	2.2	Testing/measuring devices are connected and set up in accordance with job requirements for the communication system
	2.3	Measurements and adjustments are made to electronics and communications equipment to provide optimum system performance in accordance with system specifications and/or regulatory requirements
	2.4	Unplanned situations are responded to in accordance with workplace procedures in a manner that minimises risk to personnel and equipment
	2.5	Methods for dealing with unexpected situations are selected on the basis of safety and specified work outcomes

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| | 2.6 | System commissioning workplace procedures are performed in accordance with job requirements and industry standards |
| | 2.7 | Commissioning is carried out efficiently without unnecessary waste of materials or damage to electronic apparatus, the surrounding environment or services using sustainable energy principles |
| 3 Complete and report commissioning activities | 3.1 | WHS/OHS risk control work completion measures and workplace procedures are followed |
| | 3.2 | Adjustment settings are documented in accordance with workplace procedures |
| | 3.3 | Worksite is cleaned and made safe in accordance with workplace procedures |
| | 3.4 | Commissioning results and work completion are communicated to appropriate person/s in accordance with established 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.

Commissioning electronics and communications systems must include at least the following:

- two different types of electronics and communications systems

Unit Mapping Information

This unit replaces and is equivalent to UEENEEH167A Commission electronics and communications systems.

Links

Companion Volume implementation guides are found in VETNet - -

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