



Australian Government

UEECS0014 Develop computer network services

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 develop computer network services.

It includes applying safe working practices, planning network services, installing and configuring network infrastructure components update services, monitoring performance and documenting development activities.

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

Competency Field

Computer Systems

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to develop network services

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) processes and workplace procedures for a given work area are identified, obtained and applied
- 1.2** WHS/OHS risk control measures and workplace procedures are followed in preparation for the work

- 1.3 Scope of network services for development is determined from network performance specifications and in consultation with relevant person/s
 - 1.4 Activities are planned in accordance with workplace procedures for timelines and in consultation with others involved
 - 1.5 Development tools and software are selected based on specified requirements and performance standards
 - 1.6 Strategies are implemented to ensure network development is carried out efficiently
- 2 Install, configure and manage network services**
 - 2.1 WHS/OHS risk control measures and workplace procedures for carrying out the work are followed
 - 2.2 Complexities of network infrastructure are applied to developing network services
 - 2.3 Network infrastructure components in use and installed are configured and variants specified for the network in accordance with relevant industry standards
 - 2.4 Management components of network services are configured and requirements specified for the network are in accordance with relevant industry standards
 - 2.5 Security components of network services are created and requirements specified for the network are in accordance with relevant industry standards
 - 2.6 Network malfunctions are identified and rectified using techniques in accordance with relevant industry standards
 - 2.7 Network is monitored and solutions developed to optimise network performance and reliability in accordance with workplace procedures
 - 2.8 Approaches to issues/problems are analysed to provide effective solutions
 - 2.9 Quality of work is monitored in accordance with workplace procedures and relevant industry standards
- 3 Report network administration activities**
 - 3.1 Written justification is produced for network services development activities and relevant person/s notified in accordance with workplace procedures

- 3.2** Network service development records are maintained 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.

Unit Mapping Information

This unit replaces and is equivalent to UEENEED116A Develop computer network services.

Links

Companion Volume implementation guides are found in VETNet - -

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