Australian Government

UEECS0015 Develop energy sector computer network applications infrastructure

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 energy sector computer network applications infrastructure.

It includes preparing to install and configuring components for network applications infrastructure. It also includes applying safe working practices and documenting activities.

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

Pre-requisite Unit

Not applicable

Competency Field

Computer Systems

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Prepare to develop a network applications infrastructure	**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	Network application infrastructure to be developed is determined from network performance specifications and in consultation with relevant person/s
	1.4	Activities are planned in accordance with workplace procedures to meet timelines in consultation with others involved
	1.5	Development tools and software are selected in accordance with relevant industry standards and network performance requirements
	1.6	Activities are implemented to ensure network development is carried out efficiently
2 Install and configure components	2.1	WHS/OHS risk control measures and workplace procedures for carrying out the work are followed
	2.2	Complexities of network applications infrastructure are applied to developing the network
	2.3	Network applications infrastructure components in use and installed are configured for the network in accordance with industry standards
	2.4	Management components of the network applications infrastructure are configured in accordance with relevant industry standards and requirements of the network
	2.5	Security components of the network applications infrastructure are created in accordance with relevant industry standards and requirements of the network
	2.6	Network malfunctions are identified and rectified using techniques in accordance with workplace procedures and relevant industry standards
	2.7	Network is monitored and solutions are developed to optimise network performance in accordance with workplace procedures
	2.8	Security events are analysed and actions taken in accordance with workplace procedures
	2.9	Unplanned events are identified and resolution techniques are applied in accordance with workplace procedures
	2.10	Quality of work is monitored in accordance with

			workplace procedures and/or relevant industry standards
3	**Complete network activities report/s**	**3.1**	Documentation is produced for network services completed activities and relevant person/s notified in accordance with workplace procedures
		3.2	Network applications infrastructure 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 UEENEED149A Develop energy sector computer network applications infrastructure.

Links

Companion Volume implementation guides are found in VETNet - - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6