



Australian Government

ICTSUS404 Install thin client applications for power over ethernet

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.

Application

This unit describes the skills and knowledge required to set up energy and cost efficient installations to meet sustainability targets by remotely feeding power over ethernet (PoE).

It applies to individuals with a range of telecommunication skills who install and configure thin client applications to enable PoE on a low powered workstation.

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

Unit Sector

Telecommunications – sustainability

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan to install thin client applications	1.1 Assess extent of applications to be implemented using feasibility report and organisational guidelines 1.2 Highlight issues associated with adoption of Web 2.0 applications 1.3 Produce implementation plan and present to client 1.4 Liaise with appropriate person to obtain approval for plans with any recommendations 1.5 Notify client for site access

2. Evaluate appropriate applications	2.1 Develop criteria for Web 2.0 applications to satisfy enterprise needs 2.2 Test and evaluate Web 2.0 applications according to agreed criteria 2.3 Present findings to client with recommendations on Web 2.0 applications
3. Install hardware components and applications	3.1 Follow work health and safety (WHS) and environmental requirements according to plan and manufacturer's specifications 3.2 Develop implementation plans with prioritised tasks and contingency arrangements for minimum disruption to client 3.3 Install hardware components and thin client software needed for work according to network and organisational requirements 3.4 Bench test performance of applications 3.5 Resolve identified problems
4. Complete work and document activities	4.1 Document installation and integration process according to organisational guidelines 4.2 Provide user documentation 4.3 Notify client and obtain sign off

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.1, 2.2, 3.1, 3.3, 4.1	Identifies, analyses and evaluates technical installation manuals and other text to determine regulatory and technical requirements
Writing	1.3, 1.5, 2.1, 2.3, 3.2, 4.1-4.3	Prepares reports and design solutions in required formats that convey an understanding of outcomes and alternatives and uses terminology appropriate to present to relevant personnel
Oral Communication	1.3-1.5, 2.3, 4.3	- Articulates clearly using specific language suitable for technical, operational and business audiences to convey requirements - Uses listening and questioning techniques to confirm understanding
Navigate the world	1.1, 3.1, 3.3,	Recognises and responds to both explicit and implicit organisational procedures and protocols,

of work	4.1	and legislative and regulatory requirements
Interact with others	2.3, 4.3	Selects the appropriate form, channel and mode of communication for a specific purpose relevant to own role
Get the work done	1.1, 1.2, 2.1, 2.2, 3.3-3.5	- Develops plans to manage relatively complex, non-routine tasks with an awareness of how they may contribute to longer term operational and strategic goals - Takes responsibility for own workload, negotiating some key aspects with others - Systematically gathers and analyses all relevant information and evaluates options to make informed decisions - Understands key principles and concepts underpinning the design and operation of digital systems and tools, and applies these when troubleshooting existing technology and when seeking to understand the potential of new technology - Recognises and takes responsibility for addressing predictable and some less predictable problems in familiar work contexts

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTSUS404 Install thin client applications for power over ethernet	ICTSUS4186A Install thin client applications for power over ethernet	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>

Assessment Requirements for ICTSUS404 Install thin client applications for power over ethernet

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Performance Evidence

Evidence of the ability to:

- determine and meet client requirements for thin client applications
- install and configure components according to vendor and technical specifications.

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:

- outline why businesses use thin technologies
- explain client business domain, business function and organisation
- summarise compatibility issues and resolution procedures
- explain the configuration of internet protocol (IP) networks
- discuss the importance of client and business liaison
- explain how to document technical specifications
- summarise linkage between processes
- explain set up and configuration procedures
- discuss systems diagnostic features
- explain Web 2.0 including:
 - applications and functionality
 - areas of the Web 2.0 relevant to configuration and testing
 - current industry accepted Web 2.0 products
 - vendor specifications and requirements for Web 2.0 applications
 - Web 2.0 application procedures.

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 – sustainability field of work and include access to:

- a site on which remote power feeding applications can be implemented
- relevant documentation, feasibility studies and equipment manuals.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>