



Australian Government

ICTSAS403 Review site environmental factors prior to ICT system implementation

Release: 1

ICTSAS403 Review site environmental factors prior to ICT system implementation

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

Application

This unit describes the skills and knowledge required to review, identify and assess the impact of site environmental factors prior to commencing information and communications technology (ICT) system installation.

It applies to individuals who use specialised knowledge and a systematic approach to assess a physical site to determine its suitability for system installation.

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

Unit Sector

Systems administration and support

Elements and Performance Criteria

ELEMENT	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 work area	1.1 Obtain technical and environmental system requirements for equipment to be installed and document site requirements, including work health and safety (WHS) site specific requirements 1.2 Consider and take action on requirements associated with equipment against installation requirements 1.3 Conduct on-site inspection and audit against site specifications 1.4 Formulate preliminary recommendations for site and assess impact on system installation schedule 1.5 Prepare preliminary report specifying recommended changes to the site to meet requirements and submit report to appropriate

ELEMENT	PERFORMANCE CRITERIA
	person for approval
2. Evaluate environment	2.1 Organise appropriate support staff to facilitate successful installation 2.2 Install cabling and other environmental equipment to required technical and industry standards 2.3 Manage hardware installation to ensure WHS standards for hardware installation are adhered to 2.4 Review and test hardware and software to ensure system meets client business requirements and system objectives
3. Document recommendations	3.1 Prepare final report documenting findings and issues relating to site requirements and preparation 3.2 Submit final recommendations to appropriate person for approval

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, 1.3	Interprets and analyses complex technical and non-technical information and data from a range of sources to determine requirements and complete necessary actions
Writing	1.1, 1.4, 1.5, 3.1	Accurately records a range of technical information and uses clear language and documentation formats to convey findings
Oral Communication	1.5, 2.2, 3.2	Uses active questioning and listening techniques to confirm understanding and convey information to team members and clients
Numeracy	1.1, 1.3, 1.4, 3.1	Uses mathematical equations to calculate and compare numerical data against technical requirements and to determine required actions
Navigate the world of work	1.1, 1.2, 2.3	Takes personal responsibility for establishing and complying with legislative requirements
Interact with	1.5, 2.2, 3.2	Selects and uses appropriate conventions and protocols

others		when communicating with co-workers and others in a range of work contexts
Get the work done	1.2-1.4, 2.1-2.4, 3.2	• Takes responsibility for planning, sequencing and prioritising tasks and own workload for efficiency and effective outcomes • Uses formal analytical thinking techniques for identifying issues and generating possible solutions, seeking input from others as required • Uses the main features and functions of digital tools to complete work tasks

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalenc e status
ICTSAS403 Review site environmental factors prior to ICT system implementation	ICASAS403A Review site environmental factors prior to IT system implementation	Updated to meet Standards for Training Packages. Minor edit to the competency title.	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 ICTSAS403 Review site environmental factors prior to ICT system implementation

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Performance Evidence

Evidence of the ability to:

- identify environmental prerequisites prior to commencement of information and communications technology (ICT) system installation
- sequence the preparatory steps
- consider time and budget constraints
- document and submit recommendations.

Note: Evidence must be provided for at least TWO site installation schedules.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- discuss key features of current industry accepted hardware and software products
- analyse current system's functionality
- describe general features and capabilities of network devices
- describe physical prerequisites needed for system installation
- outline possible legislative requirements relating to cabling and building preservation
- identify key features of quality assurance practices
- discuss role of stakeholders and degree of stakeholder involvement
- describe vendor equipment specifications and installation requirements.

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 systems administration and support field of work and include access to:

- special purpose tools, equipment and material

- industry software packages
- staff resources and technical equipment
- live network
- server and workstation hardware and software
- several different device types to be installed
- a number of scenarios, such as local area networks (LANs) incorporating hubs, routers and peripherals.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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