ICTSAS209 Connect and use a home based local wireless network

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 1.0.

Application

This unit describes the skills and knowledge required to install, configure and secure devices to a small home based local network.

It applies to individuals who, while working under a level of supervision, have responsibility in a frontline technical support capacity.

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
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Confirm requirements for home office wireless network	1.1 Document client requirements and confirm with appropriate person 1.2 Identify available documentation and technical support options 1.3 Identify the digital devices to be connected to the network and confirm wireless network component requirements 1.4 Take action to ensure client support expectations are covered by vendor warranty and support services 1.5 Ensure required work health and safety (WHS) standards are incorporated as part of the installation process
2. Prepare for installation	2.1 Obtain digital devices and wireless network components

ELEMENT	PERFORMANCE CRITERIA
	2.2 Validate that contents of delivered components and physical contents match the packing list and resolve discrepancies if necessary
	2.3 Determine internet service provider (ISP) connection properties
3. Install and configure the wireless router and adapters	3.1 Install the wireless router
	3.2 Configure the wireless router using the router configuration properties
	3.3 Install the wireless adapters
	3.4 Configure the wireless fidelity (Wi-Fi) system
4. Secure the wireless system	4.1 Set the security components of the system
	4.2 Test the security components
	4.3 Review any updated documentation regarding security issues and the components used

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
Learning	1.2, 1.3, 2.1, 3.1-3.4, 4.3	• Identifies and uses basic knowledge of industry hardware and software appropriate to the environment • Identifies and uses new or upgraded technology skills to enhance learning
Reading	1.2-1.5, 2.1-2.3, 3.1-3.4, 4.1-4.3	• Interprets a range of texts to evaluate and integrate strategies to maintain effective methods that adhere to client requirements and standards
Writing	1.1	• Uses simple vocabulary to record information in a sequential manner that adheres to client requirements and for internal reference
Oral Communication	1.1, 1.4	• Uses listening and questioning techniques to confirm requirements
Navigate the world of work	1.1-1.5, 2.1-2.3, 3.1-3.4, 4.1-4.3	• Understands roles and responsibilities for task and makes basic decisions on work completion parameters in accordance with client requirements and WHS

		standards	
Interact with others	1.1, 1.2, 1.4, 2.2	• Identifies and takes steps to follow accepted communication practices and protocols	
Get the work done	1.1-1.5, 2.1-2.3, 3.1-3.4, 4.1-4.3	• Plans and implements routine tasks aiming to achieve them efficiently • Makes low-impact decisions within familiar situations, based on a range of predefined or routine solutions and evaluates the effectiveness of the outcome • Understands the purposes, specific functions and key features of common digital systems and tools, and operates them effectively to complete routine tasks	

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTSAS209 Connect and use a home based local wireless network	ICASAS209A Connect and use a home based local wireless network	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

PwC's Skills for Australia