



Australian Government

ICTNWK311 Install and test network protocols

Release: 2

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Modification History

Release	Comments
Release 2	This version first released with ICT Information and Communications Technology Training Package Version 8.0. Removal of 'Writing' skill removed from Foundation Skills.
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 6.0.

Application

This unit describes the skills and knowledge required to install and test network protocols in a networking environment.

It applies to individuals with Information and Communications Technology (ICT) skills, who are required to provide network support to ensure that appropriate protocols have been installed in networks to allow user functionality and maintenance.

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

Unit Sector

Networking

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. Prepare to install network protocols	1.1 Determine network protocol, user and task requirements 1.2 Select network protocol applications according to task requirements 1.3 Determine network protocol services according to task requirements 1.4 Design network addressing system according to protocol and task requirements
2. Install network	2.1 Install and validate network protocol services according to task

ELEMENT	PERFORMANCE CRITERIA
protocols	requirements 2.2 Install required network addressing system 2.3 Apply internet protocol (IP) addressing scheme according to user needs and organisational policies and procedures 2.4 Configure IP addresses on hosts and workstations
3. Test network protocols	3.1 Test and validate network protocols according to user requirements 3.2 Seek and respond to network protocol performance feedback 3.3 Store unused ICT equipment and dispose of redundant ICT equipment according to manufacturer specifications and organisational procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Learning	<ul style="list-style-type: none"> Ensures knowledge of legislative requirements and products is kept up to date
Reading	<ul style="list-style-type: none"> Recognises and interprets textual information, including technical manuals to establish the job requirements
Oral Communications	<ul style="list-style-type: none"> Uses listening and questioning techniques to articulate information and task requirements using succinct verbal language
Self-management	<ul style="list-style-type: none"> Identifies roles and responsibilities for task and makes decisions on work completion parameters in accordance with organisational procedures, WHS and environmental guidelines
Technology	<ul style="list-style-type: none"> Identifies the purposes, specific functions and key features of common digital systems and tools, and operates them effectively to complete routine tasks

Unit Mapping Information

Supersedes and is equivalent to ICTNWK305 Install and manage network protocols.

Links

Companion Volume Implementation Guide is found on VETNet -

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