



Australian Government

ICTSUS401 Install and test renewable energy system for ICT networks

Release: 1

ICTSUS401 Install and test renewable energy system for ICT networks

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 install a renewable energy system and integrate it into an information and communications technology (ICT) network.

It applies to individuals in the ICT industry who operate with a degree of autonomy, but who may also supervise the work of others when necessary.

The specialised nature of the role focuses on meeting sustainability targets using renewable energy solutions and resulting in more economical systems.

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 renewable energy system	1.1 Prepare for work according to relevant legislation, codes, regulations and standards 1.2 Arrange access to site according to required procedure 1.3 Assess extent of system implementation using feasibility report and organisational guidelines 1.4 Produce report to meet client and organisational requirements 1.5 Liaise with appropriate person to obtain approval for plans with recommendations 1.6 Determine and source renewable energy components according to agreed plan
2. Install and test renewable energy system	2.1 Install and configure components according to work health and safety (WHS) and environmental requirements, plan, and manufacturer's and organisational requirements 2.2 Identify and resolve problems 2.3 Integrate renewable system into network 2.4 Test and enhance system performance to meet organisational requirements
3. Complete documentation and clean up worksite	3.1 Produce evaluation report on actual cost and benefits of implementing renewable energy system to organisation 3.2 Provide support manual for client 3.3 Record all test results and records for client 3.4 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, 1.3, 1.4, 1.6, 2.1, 2.4	Identifies, analyses and evaluates complex text to determine legislative, regulatory, technical and business requirements, and confirm network requirements
Writing	1.4, 1.5, 3.2-3.4	Prepares reports, design solutions and recommendations that convey an understanding of outcomes and alternatives, and uses terminology appropriate to present to relevant personnel
Oral Communication	1.5, 3.4	- Articulates clearly using specific language suitable for technical, operational and business audiences to convey requirements - Uses listening and questioning techniques to confirm understanding
Numeracy	3.1	Analyses numerical information to assess cost and benefits of renewable energy options
Navigate the world of work	1.1-1.4, 2.1, 2.4	Recognises and responds to both explicit and implicit organisational procedures and protocols, and to legislative and regulatory requirements
Interact with others	3.2, 3.4	Selects appropriate communication protocols in a range of work contexts
Get the work done	1.1-1.3, 1.6, 2.1-2.4	- Develops plans for complex activities with strategic implications - Systematically gathers and analyses all relevant information and evaluates options to make informed decisions - Uses a range of digitally based technology and applications to access and filter data, and extract, organise, integrate and share relevant information in effective ways - 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
ICTSUS401 Install and test renewable energy system for ICT networks	ICTSUS4183A Install and test renewable energy system for ICT networks	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion volumes are available from the IBSA website: -

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