

Unit	IT & Telecom System Security 1	
SSC Code	SEC1	
SQA Code	H3AY 04	
SCQF Level	5	
SCQF Credit Value	4	
Unit summary	The aim of this unit is to provide an understanding of the main threats to security of IT systems and data and how to protect against them. The learner will consider the security measures in place in an organisation and contribute to the maintenance of system security.	
<b>Learning Outcomes</b> The learner will:	<b>Assessment Criteria</b>	
1. Know threats to IT & Telecoms systems	1.1 List common types of physical threat to systems and data 1.2 List common types of electronic threats to systems and data 1.3 State the effects of common types of malicious code	
2. Know how to protect IT & Telecoms systems	2.1 Identify methods of providing physical access control and security 2.2 Identify methods of providing electronic access control and security 2.3 Describe the importance of maintaining the currency of security tools 2.4 Describe the characteristics of strong passwords	
3. Know organisational procedures for system security	3.1 State organisational procedures for system security 3.2 List available security tools and equipment 3.3 State organisational conventions for the construction of passwords 3.4 Describe the process for reporting any actual or attempted breaches of security	
4. Contribute to maintaining system	4.1 Correctly configure security tools to meet specified	

security	<p>requirements</p> <p>4.2 Monitor the operation of specified security tools to identify actual and attempted security breaches</p> <p>4.3 Accurately record all security actions and relevant information using standard documentation</p> <p>4.4 Follow organisational procedures for system security</p>
Additional information about the unit	
Guidance on approaches to assessment	<p><i>Learning Outcomes 3 &amp; 4 of this unit must be assessed in the workplace.</i></p> <p>Further guidance is set out in the CBQ Assessment principles developed by e-skills UK and agreed by the Joint Awarding Body Forum.</p>
Details of the relationship between the unit and relevant National Occupational Standards or other professional standards	<p>This unit is based on the e-skills UK NOS for IT professionals (PROCOM) available from <a href="http://www.e-skills.com/nos">www.e-skills.com/nos</a></p>
Location of the unit within the subject/sector classification system	IT Professional
Name of the organisation submitting the unit	e-skills UK