Unit	IT & Telecom System Security 2
SSC Code	SEC2
SQA Code	H3B0 04
SCQF Level	6
SCQF Credit Value	8
Unit summary	

Learning Outcomes The learner will:	Assessment Criteria
1. Understand threats to IT & Telecoms systems	1.1 Describe common types of physical threat to systems and data 1.2 Describe common types of electronic threats to systems and data 1.3 Describe the operation of common types of malicious code 1.4 Explain the security vulnerabilities associated with remote access technologies including wireless
2. Understand how to protect IT & Telecoms systems	2.1 Describe methods of providing physical access control and security 2.2 Describe methods of providing electronic access control and security 2.3 Explain the importance of maintaining the currency of security tools 2.4 Explain how encryption can contribute to data security 2.5 Explain how keys and certificates can be used to provide data security
3. Understand organisational procedures for system security	3.1 Describe organisational procedures for system security and passwords 3.2 Describe the operation and application of available security tools and equipment 3.3 Describe the features of the organisational

		procedures for disaster recovery
		3.4 Explain the potential operational impact of security breaches
4. Contribute to maintaining system security		4.1 Correctly identify the security requirements of specified system assets and resources
		4.2 Implement, configure and maintain security tools to meet identified requirements
		4.3 Monitor the operation of security tools to identify actual and attempted security breaches
		4.4 Provide guidance on security, the use of security tools and the construction of passwords to others
		4.5 Contribute to reviews of system security
		4.6 Accurately record all security actions and relevant information using standard documentation
		4.7 Contribute to the development of organisational procedures for system security
Additional information about the unit		
Guidance on approaches to assessment		*Learning Outcomes 3 & 4 of this unit must be assessed in the workplace.* Further guidance is set out in the CBQ Assessment principles developed by e-skills UK and agreed by the Joint Awarding Body Forum.
Details of the relationship between the unit and relevant National Occupational Standards or other professional standards		This unit is based on the e-skills UK NOS for IT professionals (PROCOM) available from www.e-skills.com/nos
Location of the unit within the subject/sector classification system		IT Professional
Name of the organisation submitting the unit		e-skills UK