



<b>Unit title</b>	Principles of Secure System Development 1
<b>SQA code</b>	H7D6 04
<b>SCQF level</b>	6
<b>SCQF credit points</b>	7
<b>SSC ref</b>	SECKDEV1

## History of changes

**Publication date:** July 2014

**Version:** 01

<b>Version number</b>	<b>Date</b>	<b>Description</b>	<b>Authorised by</b>

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<b>Title</b>	Principles of Secure System Development 1		
<b>Learning Outcomes</b>		<b>Assessment Criteria</b>	
<b>The learner will:</b>		<b>The learner can:</b>	
1	Understand the role of security in the Systems Development Life Cycle (SDLC).	1.1	Describe common Systems Development Life Cycle (SDLC) models.
		1.2	Explain the implications of not including security requirements in each stage of the SDLC.
		1.3	Describe the factors that can influence security requirements including: <ul style="list-style-type: none"> <li>◆ How critical the system is to the organisation</li> <li>◆ System requirements for confidentiality, integrity and availability</li> <li>◆ Applicable regulations and policies</li> <li>◆ Actual or potential threats in the environment where the system will operate</li> </ul>
		1.4	Identify opportunities for including security requirements in each stage of the SDLC.

<b>Additional information about the Unit</b>
<b>Unit purpose and aim(s)</b>
Secure development includes embedding of preventative security measures into software development. The aim is to reduce the risk of threats and vulnerabilities on information, digital and processing systems.
<b>Details of the relationship between the Unit and relevant national occupational standards (if appropriate)</b>
This Unit is based on the e-skills UK NOS for Information Security.
<b>Details of the relationship between the Unit and other standards or curricula (if appropriate)</b>
N/A
<b>Assessment requirements specified by a sector or regulatory body (if appropriate)</b>
This Unit may be assessed by any means which provides evidence that the candidate understands the content. Every effort should be made to relate the content to the candidate's organisation wherever possible.

<b>Assessment (evidence) Requirements</b>
The Unit may be assessed using any appropriate methods, or combination of methods, which clearly demonstrate the learning outcomes. Simulation is an allowed assessment method.
<b>Guidance on Instruments of Assessment</b>
Learners must complete real or simulated work activities in order to produce evidence to demonstrate they are occupationally competent. An e-portfolio approach is encouraged.