



Unit title	Testing the Security of Information Systems 1
SQA code	H7CR 04
SCQF level	6
SCQF credit points	12
SSC ref	SECTEST1

History of changes

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Title	
Testing the Security of Information Systems 1	
Learning Outcomes	Assessment Criteria
The learner will:	The learner can:
1 Be able to conduct security testing.	1.1 Develop test scripts for specified information assurance requirements testing. 1.2 Create plans that ensure that specified information assurance requirements are tested. 1.3 Implement specified preparations prior to carrying out tests. 1.4 Apply specified test methods, tools and techniques following organisational procedures. 1.5 Record the results of tests using standard documentation. 1.6 Implement specified activities following the completion of testing.
2 Be able to report on test results.	2.1 Examine the results of testing to identify security vulnerabilities. 2.2 Prioritise identified vulnerabilities against specified information assurance requirements. 2.3 Report any high priority vulnerabilities to the relevant persons following organisational procedures. 2.4 Identify the type of actions required to mitigate identified vulnerabilities. 2.5 Report the results of test activities using standard documentation following organisational procedures.

Additional information about the Unit
Unit purpose and aim(s)
Security testing determines the level of resilience of an information system to information security threats and vulnerabilities through planning and applying testing methods, including penetration testing, for assessing the robustness of an information system, against a coordinated attack.
Details of the relationship between the Unit and relevant national occupational standards (if appropriate)
This Unit is based on the e-skills UK NOS for Information Security.
Details of the relationship between the Unit and other standards or curricula (if appropriate)
N/A
Assessment requirements specified by a sector or regulatory body (if appropriate)
This Unit must be assessed using evidence derived from real work activities.

Assessment (evidence) Requirements

The Unit may be assessed using any appropriate methods, or combination of methods, which clearly demonstrate the learning outcomes.

Guidance on Instruments of Assessment

Learners must complete real work activities in order to produce evidence to demonstrate they are occupationally competent. An e-portfolio approach is encouraged.

Simulation is allowed for aspects of the Unit specified when:

- a learner is required to complete a work activity that does not occur on a regular basis and therefore opportunities to complete a particular work activity do not easily arise
- a learner is required to respond to a situation that rarely occurs, such as responding to an emergency situation
- the safety of a learner, other individuals and/or resources will be put at risk.

Simulation must replicate the workplace to such an extent that learners will be able to fully transfer their occupational competence to the workplace and real situations.