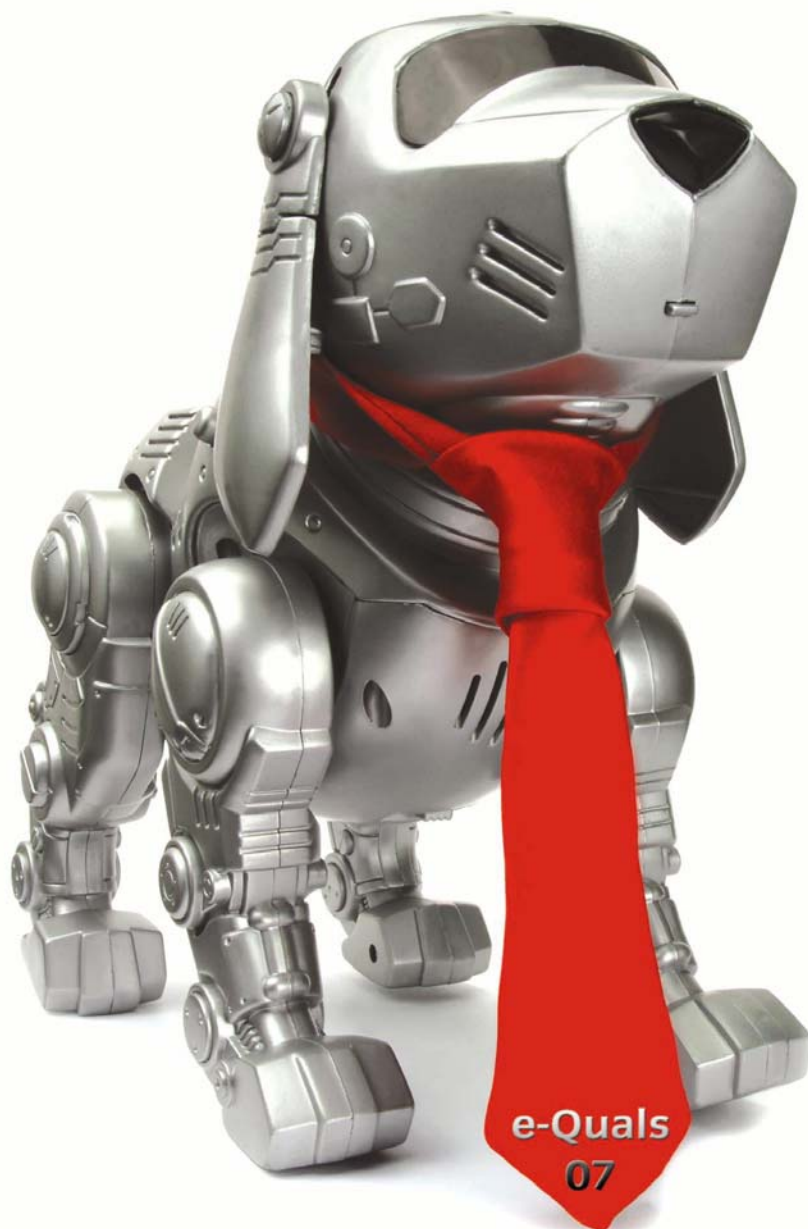


# Level 3 Implementing an ICT systems security policy (7266/7267-511)

**e-Quals**  
**Assignment guide for Candidates**  
Assignment B



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# Level 3 Implementing an ICT systems security policy (7266/7267-511) Assignment B

## Introduction – Information for Candidates

### About this document

This assignment comprises all of the assessment for Level 3 Implementing an ICT systems security policy (7266/7267-511).

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### Health and safety

You are asked to consider the importance of safe working practices at all times.

You are responsible for maintaining the safety of others as well as your own. Anyone behaving in an unsafe fashion will be stopped and a suitable warning given. You will **not** be allowed to continue with an assignment if you compromise any of the Health and Safety requirements. This may seem rather strict but, apart from the potentially unpleasant consequences, you must acquire the habits required for the workplace.

### Time allowance

The recommended time allowance for this assignment is 5 hours

# Level 3 Implementing an ICT systems security policy (7266/7267-511)

## Candidate instructions

**Time allowance: 5 hours**

### Assignment set up:

This assignment is made up of **four** tasks

- Task A – Compile a report detailing the issues revealed by the analysis.
- Task B – Compile a report with recommendations for Argosy Engineering to improve the security of their ICT systems.
- Task C – Draft a security policy for specified areas.
- Task D – Set up a computer to connect to the Internet via a dial-up modem connection. The candidate is required to ensure a secure authentication method is selected whilst going through this process.

### Scenario

Argosy Engineering is a medium sized company with an existing network that has grown over a period of time. You have been asked to carry out a survey of the company's current ICT systems and to make recommendations to improve the security. You are required to submit two reports, one reporting on the current situation highlighting the security risks you have identified, and one to include recommendations to address those issues. You will be supplied with a comprehensive network diagram of Argosy Engineering's ICT infrastructure together with some additional background information and details of the company's current security policies. Further information sources that you may require should be requested from your Assessor.

### Task A – Compile a report detailing the issues revealed by the analysis.

Using the scenario and attachments 1 and 2, analyse the current ICT network and identify areas that may pose a security risk to Argosy Engineering.

- 1 Write a report for Argosy Engineering detailing **seven** major security risks you have identified based on the information supplied.

For **each** of the security risks identified, you **must** provide reasons why this is a risk on this particular system.

## Task B – Compile a report with recommendations for Argosy Engineering to improve the security of their ICT systems.

- 1 Following on from task A, you are required to provide Argosy Engineering with a proposal of the actions they should take to prevent the security risks you highlighted in your initial report. The report should contain
  - the security risks being addressed by these proposals
  - recommended actions/solutions proposed
  - **two** possible impacts to the business if the recommendations are not accepted and implemented
  - a list and explanation of **four** of the main cost areas for these recommendations
  - the importance and purpose of a defined security policy
  - the legal, ethical and human resources issues.

## Task C – Draft a security policy for specified areas.

- 1 Describe the features of the following aspects of X509 certificates.
  - Certificates.
  - Certification authorities.
  - Certification hierarchies.
- 2 Argosy would also like a sample security policy draft, which can be short and in note form if necessary. The draft should address
  - **three** policies relating to portable media use and storage
  - **three** policies relating to Internet and email use
  - **two** policies relating to the attachment of equipment to the company network (at office sites or at home whilst connected to the corporate network)
  - **three** policies relating to passwords to access the company network resources and to secure sensitive data

**Task D – Set up a computer to connect to the Internet via a dial-up modem connection. The candidate is required to ensure a secure authentication method is selected whilst going through this process.**

You are required to configure a computer to access the corporate network. This is required to provide dial-up access to the company network for both customers and employees.

- 1 Select, install and configure the most secure networking authentication protocol available to you.

When you have finished working:

- Sign each document above your name and label all removable storage media with your name.
- Hand all paperwork and removable storage media to your assessor.

If the assignment is taken over more than one period, all paperwork and removable media must be returned to the test supervisor at the end of each sitting.

**End of assignment**

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