BCS Level 4 Cyber Security Technologist Digital IT Apprenticeship End-point Assessment - Technologist Route

Project 2 Overview
Mobile Devices

Version 1.0
September 2020

Change History

Any changes made to the project shall be clearly documented with a change history log. This shall include the latest version number, date of the amendment and changes made. The purpose is to identify quickly what changes have been made.

Version Number	Changes Made
Version 1.0 September 2020	Document created.

Project Overview and Objectives

This project requires you to review the outputs from an audit of mobile devices used by field-based engineers working for a company called Good Environmental Controls Ltd. You are required to identify risks from the findings and create a security case that proposes suitable organisational and technical controls to mitigate the risks described. You then have to identify a suitable technical solution to help reduce overall risk, design and implement that solution demonstrating how the controls work.

You will need to:

- **Populate a risk register.**
- **Write a security case for a set of controls.**
- **Identify a technical solution and describe how it reduces risk.**
- **Design and implement the technical solution.**
- **Provide evidence that the solution meets the requirements.**

The technical solution implementation can be virtual, physical or a combination. It can include built-in operating system features and / or make use of open source tools. The outputs should include any assumptions you have made about Good Environmental Controls Ltd.

Project Outputs and Deliverables

To demonstrate completion of the tasks you will be asked to provide a series of outputs, these should be submitted together with the synoptic project declaration.

Deliverable	Output	Suggested Evidence
Risk assessment	Complete a risk assessment by: • Identifying risks from the information in the audit report (Appendix). • Populate the Risk Register template.	Template spreadsheet
Security case	Write a security case describing: • Security objectives. • Threats. • Security controls. • Functional and non-functional security requirements.	Word document or PDF
Design	Produce a design for a technical solution that will: • Address some of the controls in the security case. • Describe how the design will meet the requirements. • Describe how the solution will reduce risk.	Word document or PDF
Construction	Implement the technical solution so that it: • Meets the design requirements. • Includes at least one mobile device.	Word document or PDF including screenshots and / or photos. Videos can be provided instead of, or as well as, a document

Deliverable	Output	Suggested Evidence
Testing	Test the solution implemented by: • Creating a test plan. • Carrying out tests. • Providing evidence that the controls have been implemented as per the design and that they implement the controls identified in the security case.	Word document or PDF including screenshots and / or photos. Videos can be provided instead of, or as well as, a document

Project Information and Equipment

To complete this project, you will need to review all the information specified below which can be found in the appendix (please note, the appendix is only supplied with the full project once Gateway has been entered). This will enable you to deliver the key outputs and deliverables for this project listed in the table above.

- Background information.
- Business requirements.
- Audit findings.
- Risk Register template spreadsheet (provided separately).

Your training provider and/or employer will provide you with all resources required to complete your project including:
- Laptop/PC.
- Virtual environment.
- Internet access.
- Word processing software.
- Spreadsheet software.

Apprenticeship Competencies Covered

Competency Standard (Core)
React to threats, hazards, risks and intelligence.
Develop and use a security case.
Support the organisation.

Competency Standard (Technologist Option)
Analyse a security case.
Implement security in a network (structured and reasoned).