

Pearson Higher Nationals in Computing

ASSESSMENT BRIEF - 01

Unit: 5 Security

For use with the Higher National Certificate and
Higher National Diploma in Computing

Brief Number: 1

First teaching from

Issue 1



Edexcel, BTEC and LCCI qualifications

Edexcel, BTEC and LCCI qualifications are awarded by Pearson, the UK's largest awarding body offering academic and vocational qualifications that are globally recognised and benchmarked. For further information, please visit our qualification websites at www.edexcel.com, www.btec.co.uk or www.lcci.org.uk. Alternatively, you can get in touch with us using the details on our contact us page at [qualifications.pearson.com/contact us](http://qualifications.pearson.com/contact-us)

About Pearson

Pearson is the world's leading learning company, with 40,000 employees in more than 70 countries working to help people of all ages to make measurable progress in their lives through learning. We put the student at the centre of everything we do, because wherever learning flourishes, so do people. Find out more about how we can help you and your students at qualifications.pearson.com

References to third-party material made in this specification are made in good faith. We do not endorse, approve or accept responsibility for the content of materials, which may be subject to change, or any opinions expressed therein. (Material may include textbooks, journals, magazines and other publications and websites.) All information in this document is correct at time of publication. All the material in this publication is copyright © Pearson Education Limited 2017

Higher National Certificate/Diploma in Computing



Please note that this Example Assessment Brief is **NOT** an authorised assignment brief. It is provided as a reference only.

Centres must develop assignments and assessment materials that meet the needs of their students and align with their curriculum planning. This Example Assessment Brief may be used as a starting point for the development of an assignment, however Centres are expected to modify and revise the Example Assessment Brief to meet the specific needs of their students and curriculum. All assessment briefs must be Internally Verified.

Assessment Brief

Student Name/ID Number	
Unit Number and Title	5: Security
Academic Year	
Unit Tutor	
Assignment Title	
Issue Date	
Submission Date	
IV Name & Date	

Submission Format

The submission is in the form of a ten-minute Microsoft® PowerPoint® style presentation to be presented to your colleagues. The presentation can include links to performance data with additional speaker notes and a bibliography using the Harvard referencing system. The presentation slides for the findings should be submitted with speaker notes. You are required to make effective use of headings, bullet points and subsections as appropriate. Your research should be referenced using the Harvard referencing system. The recommended word limit is 500 words, including speaker notes, although you will not be penalised for exceeding the total word limit.

Please note that this Example Assessment Brief is **NOT** an authorised assignment brief. It is provided as a reference only.

Centres must develop assignments and assessment materials that meet the needs of their students and align with their curriculum planning. This Example Assessment Brief may be used as a starting point for the development of an assignment, however Centres are expected to modify and revise the Example Assessment Brief to meet the specific needs of their students and curriculum. All assessment briefs must be Internally Verified.

Learning Outcomes

LO1. Assess risks to IT security.

LO2. Describe IT security solutions.

Assignment Brief and Guidance

*Please note that assignment guidance is for reference only and should be more specific in detail to meet customised needs.

You have been appointed as a trainee IT Security Specialist at Lathan Academy. You have been given the responsibility to create an engaging presentation to help train junior staff members on the tools and techniques associated with identifying and assessing IT security risks together with the organisational policies to protect business critical data and equipment.

Your presentation should include:

- Security legislation, technology solutions brief and the management associated with operating effective IT security procedures.
- A review of different security technologies supported with the tools and software used to develop effective IT security practice in an organisation.

*Please access HN Global for additional resources support and reading for this unit. For further guidance and support on report writing please refer to the Study Skills Unit on HN Global. Link to www.highernationals.com

Please note that this Example Assessment Brief is NOT an authorised assignment brief. It is provided as a reference only.

Centres must develop assignments and assessment materials that meet the needs of their students and align with their curriculum planning. This Example Assessment Brief may be used as a starting point for the development of an assignment, however Centres are expected to modify and revise the Example Assessment Brief to meet the specific needs of their students and curriculum. All assessment briefs must be Internally Verified.

Learning Outcomes and Assessment Criteria			
LO1 Assess risks to IT security	P1 Identify types of security risks to organisations.	M1 Propose a method to assess and treat IT security risks.	D1 Investigate how a 'trusted network' may be part of an IT security solution.
	P2 Describe organisational security procedures.		
LO2 Describe IT security solutions	P3 Identify the potential impact to IT security of incorrect configuration of firewall policies and third-party VPNs.	M2 Discuss three benefits to implement network monitoring systems with supporting reasons.	
	P4 Show, using an example for each, how implementing a DMZ, static IP and NAT in a network can improve Network Security. (Prepare a Logical diagram)		