Assessment Brief

Qualification	BTEC Level 5 HND Diploma in Computing
Unit number	Unit 5: Security
Assignment title	Security Presentation
Academic Year	2020
Unit Tutor	
Issue date		**Submission date**	
IV name and date	Khoa Canh Nguyen, Michael Omar, Nhung 9th/01/2020

Submission Format

The submission is in the form of two documents/files:

1. 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 as one copy.
2. A detailed report that provides more thorough, evaluated or critically reviewed technical information on all of the topics.

You are required to make use of the font **Calibri, Font size 12, Line spacing 1.5, Headings,** P**aragraphs**, S**ubsections and illustrations** as appropriate, and all work must be **supported with research and referenced** using the **Harvard referencing system.**

Unit Learning Outcomes
LO1 Assess risks to IT security.   **LO2** Describe IT security solutions.

Assignment Brief and Guidance
You work as a trainee IT Security Specialist for a leading Security consultancy in Vietnam called FPT Information security FIS.   FIS works with medium sized companies in Vietnam, advising and implementing technical solutions to potential IT security risks. Most customers have outsourced their security concerns due to lacking the technical expertise in house. As part of your role, your manager Jonson has asked you 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 organizational policies to protect business critical data and equipment.   In addition to your presentation you should also provide a detailed report containing a technical review of the topics covered in the presentation.   Your presentation should: 1. **Identify** the security threats FIS secure may face if they have a security breach. Give an example of a recently publicized security breach and discuss its consequences   2. **Describe** a variety of organizational procedures an organization can set up to reduce the effects to the business of a security breach.   3. **Propose** a method that FIS can use to prioritize the management of different types of risk   4. **Discuss** three benefits to FIS of implementing network monitoring system giving suitable reasons.   5. Investigate network security, **identifying** issues with firewalls and **IDS** incorrect configuration and **show** through examples how different techniques can be implemented to improve network security.   6. **Investigate** a 'trusted network' and through an analysis of positive and negative issues determine how it can be part of a security system used by FIS.   Your detailed report should include a summary of your presentation as well as additional, evaluated or critically reviewed technical notes on all of the expected topics.

Learning Outcomes and Assessment Criteria		
Pass	**Merit**	**Distinction**
LO1 Assess risks to IT security		

P1 Identify types of security threat to organisations. Give an example of a recently publicized security breach and discuss its consequences. **P2** Describe at least 3 organisational security procedures.	**M1** Propose a method to assess and treat IT security risks.	**LO1 & 2** **D1** Investigate how a 'trusted network' may be part of an IT security solution.
LO2 Describe IT security solutions		
P3 Identify the potential impact to IT security of incorrect configuration of firewall policies and IDS. **P4** Show, using an example for each, how implementing a DMZ, static IP and NAT in a network can improve Network Security.	**M2** Discuss three benefits to implement network monitoring systems with supporting reasons.	