

COURSE NAME / CODE		BTEC National Subsidiary / Diploma / Extended Diploma in IT	
UNIT(s) No / Name		5 – Managing Networks	
LEVEL	3	Assignment No & Title	Assignment 1 – Network Managers
LECTURER/ASSESSOR		Ian Middleton / Sandra Joseph	
ISSUE DATE		1 st October 2015	DEADLINE DATE 15 th October 2015
SUBMISSION DATE			
RESUBMISSION AUTHORISATION BY LEAD INTERNAL VERIFIER*		AUTHORISATION DATE (BY IV)	
RESUBMISSION DATE**			

*All resubmissions must be authorised by the **Lead Internal Verifier**. Only **one** resubmission is possible per assignment, providing:

- The learner has met the initial deadlines set in the assignment, or has met an agreed deadline extension
 - The tutor considers that the learner will be able to provide improved evidence without further guidance
 - Evidence submitted for assessment has been authenticated and accompanied by a signed and dated declaration of authenticity by the learner
- **Any resubmission evidence **must** be submitted within 10 working days of receipt of assessment

Student declaration

I declare that this assignment is all my own work and the sources of information and material I have used (including the internet) have been fully identified and properly acknowledged as required.

STUDENT NAME	SIGNATURE

ASSESSMENT DETAILS & GRADING CRITERIA

(NB: Columns 1 & 2 of the table below will be completed once the assignment has been submitted) Please note that criteria & evidence should be aimed to give the learner the maximum grade available within their qualification (i.e. A, Pass, Distinction)

Learning Aims Covered										
LO1			Know about networking management tools and technologies							
LO2			Understand network management functions							
GRADING CRITERIA FOR TASK			EVIDENCE	1) EVIDENCE SEEN		2) CRITERIA MET				
				Y	N	Y	I	N	IV	
P1	Describe network technologies		Task 1. Presentation / Leaflet / Website on network technologies							
P2	Outline the purpose of networking tools		Task 1. Presentation / Leaflet / Website detailing the purpose of networking tools							
P3	Identify emerging network technologies		Task 1. Presentation / Leaflet / Website with at least 3 emerging technologies							
P4	Explain the functions of network management		Task 2. Report on the functions of network management							
M1	Describe the potential impact of emerging network technologies		Task 1. Presentation / Leaflet / Website detailing how emerging technologies can affect a network							

M2	Explain the goals of fault management	Task 2. Report on the goals of fault management							
D1	Justify the inclusion of routine performance management activities within a network manager's role	Task 2. Report on the reasoning as to why routine performance management activities should be carried out							

KEY: Y = Yes, I = Incomplete, N = No

BREAKDOWN OF HOW GRADES WILL BE AWARDED:

(NB: Please tick as appropriate)

TYPE OF QUALIFICATION	TICK	DESCRIPTION
BTECS / WORKSKILLS	√	Pass / Merit / Distinction / Fail
A LEVELS / A2		A-U

Internal Verification of Assignment Brief

IV Full Name		Sign		Date:	
LIV Full Name		Sign		Date:	

BTEC SAMPLE MATERIAL

LEARNER CONSENT DECLARATION

Centre No & Name	51330 - UTC Reading	
Subject & Level	BTEC National Subsidiary / Diploma / Extended Diploma in IT	3
Unit No & Title	5 Managing Networks	
Learner No & Name		

I agree to the learner work identified above, after having been made anonymous, being used to support any of the following activities, which may involve the display of work online through the BTEC website or through publications:

- Professional Development and Training
- Centre Assessment Example Material
- Standardisation Support
- Publication Materials

Assessor Signature	
Name (block capitals please)	
Job Title	
Date:	

Learner Signature	
Name (block capitals please)	
Parent/Guardian consent if under 16 years of age	
Date:	

Please ensure that this sheet is completed on submission of your assignment.

Please note that your assignment **MUST** have the following (unless otherwise stated):

1. Cover page
2. Contents page
3. Introduction
4. Conclusion
5. Bibliography

SCENARIO

You work for a growing business called “Networks R Us” owned by Trayan MacMaho. The company is based Southampton, Hampshire but have offices throughout the country. They primarily deal with designing and implementing network solutions for all ranges of companies. As part of their services they also have to educate the prospective companies to networking services and where their services fit into the whole scheme of things.

The sales force for the company are fluent in giving presentations on all aspects of technology, but as there is a recession on, companies are reluctant to invest in new technology. As part of your job you are to give the company a new lease of life and jazz things up a little. This means the literature produced and the presentations and content of them.

You have been asked to create a PowerPoint presentation / leaflet – this can either be web-based or paper-based.

- P1 – Describe network technologies ○ Operating systems ○ Protocols ○ Network layout ○ Network devices
- P2 – outline the purposes of networking tools ○ Fault management, performance management ○ Using system software to find network assets
- P3 – research emerging technologies and detail, ensuring that they are recent and not years old! (if installations of Windows and a version of Linux have been done, Observation records be included here)
- M1 – following on from P3, detail how these new technologies have, or may affect networks. Ensure that you use examples to help you describe these effects.

TASK 1 Evidence you must produce for this task.

To achieve the criteria you must show that you are able to:	Unit	Criterion Reference
<i>PowerPoint presentation describing network technologies, operating systems, protocols, network layout and devices</i>	05	P1
<i>PowerPoint presentation outlining the purposes of networking tools, including fault and performance management, finding network assets</i>	05	P2
<i>PowerPoint presentation showing research of emerging technologies Observation Records for Windows (any version) and a version of Linux</i>	05	P3
<i>Elaboration from P3, how emerging technologies affect networks including examples. Make sure that you have at least 3 examples of effects</i>	05	M1

As an addition to Task 1, you have been asked to create a report to detail the following:-

- P4 – explain the functions of network management; ensure that you section your work off so that it is legible.
- M2 – expanding on P4, give an explanation of why fault management should be included when detailing with network management. Ensure that you detail:-
 - Why it is necessary
 - The aim
 - The consequences of failing

- D1 – give a sound reasoning as to why routine performance management activities should be carried out. You should include all aspect relating to efficiency and quality standards.

TASK 2 Evidence you must produce for this task.

To achieve the criteria you must show that you are able to:	Unit	Criterion Reference
<i>Report on the functions of network management</i>	05	P4
<i>Elaboration from P4, why fault management should be included in network management</i>	05	M2
<i>Report detailing why routine performance activities should be carried out including efficiency and quality standards</i>	05	D1

Sources of information	
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P1

☐

- ☐ website / website / leaflet
- ☐ operating systems
- ☐ protocols
- ☐ network layout
- ☐ network devices

P2

☐

- ☐ website / website / leaflet
- ☐ fault management
- ☐ performance management
- ☐ using system software to find network assets
- ☐ examples

P3

☐

- ☐ website / website / leaflet
- ☐ recent technologies (1)
- ☐ recent technologies (2)
- ☐ recent technologies (3)

M1

☐

- ☐ website / website / leaflet
- ☐ how emerging technologies affect networks
- ☐ examples used

P4

☐

- ☐ functions of network management
- ☐ work sectioned off for legibility

M2

☐

- ☐ why fault management should be included when dealing with network management
- ☐ why it is necessary
- ☐ the aim
- ☐ the consequences of failing

D1

☐

- ☐ why performance management activities should be carried out
- ☐ aspect relating to efficiency
- ☐ aspect relating to quality standards