

## Unit 10: Planning and supporting telecommunications

**Student Name:** \_\_\_\_\_

**Teacher:** \_\_\_\_\_

**Date:** \_\_\_\_\_

Assessment Objective	Pass	Merit	Distinction
<p><b>AO1</b></p> <p><i>Report on the telecommunications requirements of a specific organisation, business or client</i></p>	<p>Candidates will identify the information (both the current capabilities of the system and the future system needs) that they would need in order to analyse the current and future customer requirements.</p> <p>The information provided will include:</p> <ul style="list-style-type: none"> <li>• the number of network points</li> <li>• the bandwidth requirements</li> <li>• filtering</li> <li>• security</li> <li>• what hardware is in place</li> <li>• how the end-users currently use the system</li> <li>• and a basic outline of the future requirements.</li> </ul> <p>The document may be a simple list.</p>	<p>Candidates will identify most of the information required to analyse the current and future customer requirements.</p> <p>They will provide an explanation about the importance of this information and why it is needed.</p> <p>Their report will include:</p> <ul style="list-style-type: none"> <li>• the number of network points</li> <li>• the bandwidth requirements</li> <li>• filtering</li> <li>• security</li> <li>• what hardware is in place</li> <li>• how the end users currently use the system</li> <li>• and an outline of the future requirements.</li> </ul>	<p>Candidates will identify all of the information required to analyse the current and future customer requirements.</p> <p>They will provide a detailed explanation about the importance of this information and why it is needed.</p> <p>Their report will detail the capabilities of the currently installed system and an analysis and description of the future requirements of the telecommunications system. Each requirement will be cross-referenced against the information collected.</p> <p>The report will include:</p> <ul style="list-style-type: none"> <li>• the number of network points</li> <li>• the bandwidth requirements</li> <li>• filtering</li> <li>• security</li> <li>• what hardware is in place</li> <li>• how the end-users currently use the system</li> <li>• and a detailed analysis of the future requirements.</li> </ul>
<b>AO1 NOTES</b>	<b>AO1: P M D</b>		
<p><b>AO2</b></p> <p><i>Identify and make recommendations for proposed design solutions to fulfil the requirements of the client</i></p>	<p>Candidates will make recommendations for a new design solution to meet the future requirements of the telecommunications system.</p> <p>The solutions produced will be based on the future system requirements they have identified.</p> <p>The solutions identified will be very basic but will meet the customer's future requirements.</p> <p>Estimates of the costs of the new system will be included but these may not take account of all costs involved.</p> <p>Reference will be made to current legislation but this will not be detailed.</p> <p>Little consideration will have been given to the compatibility with the existing system or the implementation time and method.</p>	<p>Candidates will make recommendations for different design solutions to meet the future requirements of the telecommunications system.</p> <p>The solutions produced will be based on the future system requirements they have identified.</p> <p>The solutions identified will include most of the customer's future requirements.</p> <p>Estimates of all the costs involved in the purchase, installation support and maintenance of the new system will be given.</p> <p>Reference will have been made to current legislation, the compatibility with the existing system, and the time and method of implementation will have been considered.</p>	<p>Candidates will make recommendations for different design solutions to meet the future requirements of the telecommunications system.</p> <p>The solutions produced will be based on the future system requirements they have identified.</p> <p>The solutions identified will include all of the customer's future requirements.</p> <p>Estimates of all the costs involved in the purchase, installation support and maintenance of the new system will be given.</p> <p>Detailed reference will have been made to current legislation and the compatibility with the existing system, and the time and method of implementation will have been considered at some depth.</p> <p>At least two of the solutions must be significantly different; they cannot be almost the same with just a few elements changed.</p>
<b>AO2 NOTES</b>	<b>AO2: P M D</b>		

**Overall grade awarded for this unit:**    **PASS**    **MERIT**    **DISTINCTION**    (Circle ONE grade)    **Signature:** \_\_\_\_\_

Student Name:

Teacher:

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Assessment Objective	Pass	Merit	Distinction
<p><b>AO3</b></p> <p><i>Create a design proposal for the proposed telecommunications service</i></p>	<p>Candidates produce a design proposal based on one of their proposed solutions.</p> <p>The proposal details the customer requirements and how they have been met, the equipment and components required, where the new system will be located, and costs involved.</p> <p>Some simple drawings to support the proposal will be included.</p> <p>The formal design document will not cover all aspects of the design.</p>	<p>Candidates produce a design proposal based on one of their proposed solutions.</p> <p>The proposal details the customer requirements and how they have been met, the equipment and components required, where the new system will be located and costs involved.</p> <p>Clear drawings to support the proposal will be included.</p> <p>The formal design document will cover all aspect of the design, although some aspects may be lacking in detail.</p>	<p>Candidates produce a design proposal based on one of their proposed solutions.</p> <p>The proposal details clearly the customer requirements and how they have been met, the equipment and components required, where the new system will be located and costs involved.</p> <p>Detailed drawings to support the proposal will be included.</p> <p>The formal design document will cover all aspects of the design in some detail. It will outline how the new system will meet future requirements and will explain how it can be adapted to meet expansion of the organisation and future IT developments.</p>
<b>AO3 NOTES</b>	<b>AO3: P M D</b>		
<p><b>AO4</b></p> <p><i>Create an installation plan for the proposed telecommunications service</i></p>	<p>Candidates will create a basic installation plan; this will include the timescale, cost, personnel, legislation, hazards and broad suggestions of how to avoid disruption to customers and training requirements.</p> <p>The plan will lack detail and will be quite simple.</p>	<p>Candidates will create a clear installation plan; this will detail the timescale, cost, personnel, legislation, hazards and broad suggestions of how to avoid disruption to customers, and training requirements.</p>	<p>Candidates will create a detailed installation plan; this will detail clearly the timescale, cost, personnel, legislation, hazards and broad suggestions of how to avoid disruption to customers, and training requirements.</p> <p>All elements listed under Assessment Objective 4 will be covered.</p> <p>The plan will be clear and professional.</p>
<b>AO4 NOTES</b>	<b>AO4: P M D</b>		
<p><b>AO5</b></p> <p><i>Produce reports detailing and evaluating the telecommunications systems and services acquired and installed</i></p>	<p>Candidates will produce a brief report evaluating the new system.</p> <p>They will outline how the new system differs from the original system and detail how it matches the customers' present and future requirements.</p> <p>The report will only be basic and with few suggestions for further improvements.</p>	<p>Candidates will produce a report evaluating the new system.</p> <p>They will outline how the new system differs from the original system and will detail how it matches the customer's present and future requirements.</p> <p>The report will be detailed and will include at least one suggestion for further/future improvements.</p>	<p>Candidates will produce a detailed report evaluating the new system.</p> <p>They will report on how the new system differs from the original system and will detail how it matches the customer's present and future requirements.</p> <p>The report will be comprehensive and will include all suggestions for further/future improvements.</p>
<b>AO5 NOTES</b>	<b>AO5: P M D</b>		

Overall grade awarded for this unit: **PASS** **MERIT** **DISTINCTION** (Circle ONE grade) **Signature:** \_\_\_\_\_