Level 2 Install and configure ICT equipment and operating systems (7540-229)

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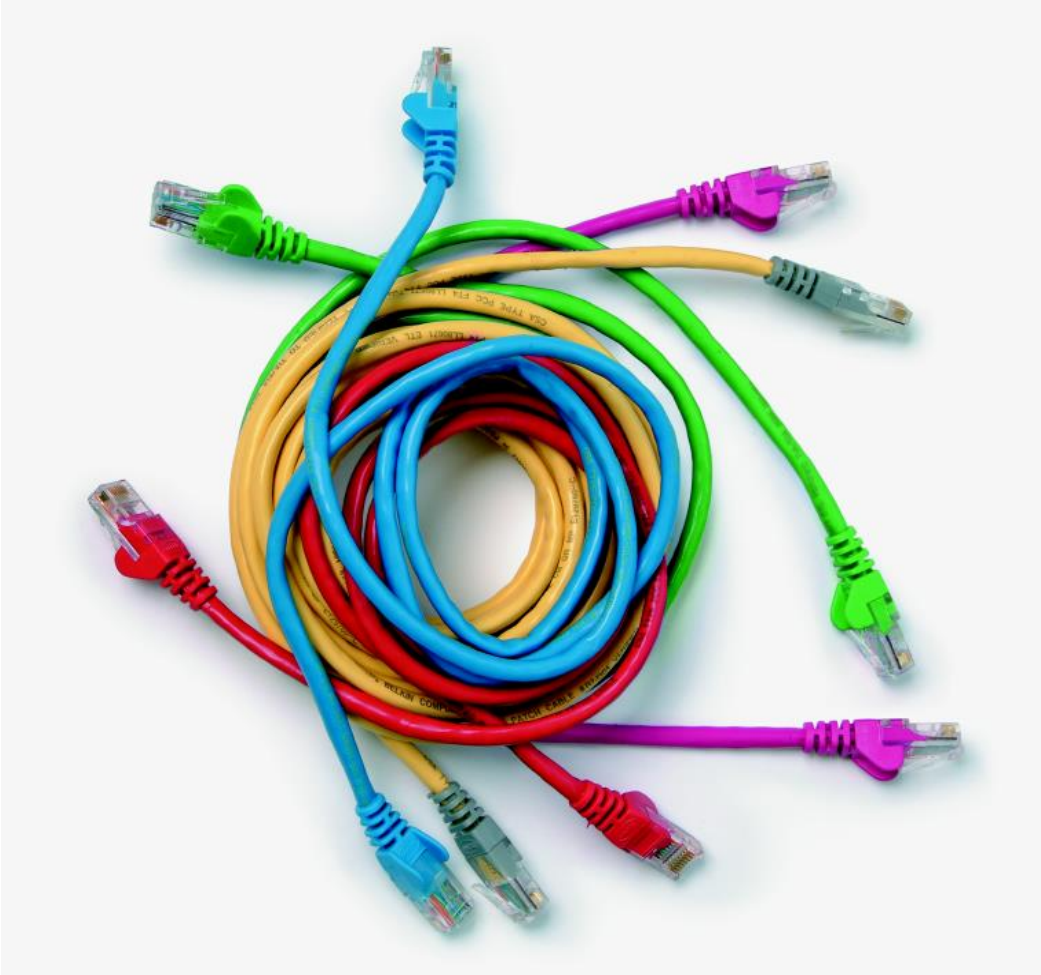
Systems and Principles
Assignment guide for Candidates
Assignment C



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City & Guilds
1 Giltspur Street
London EC1A 9DD
T +44 (0)844 543 0000 (Centres) **www.cityandguilds.com**
T +44 (0)844 543 0033 (Learners) **learnersupport@cityandguilds.com**

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Introduction – Information for Candidates

About this document

This assignment comprises all of the assessment for Level 2 Install and configure ICT equipment and operating systems (7540-229).

Health and safety

You are asked to consider the importance of safe working practices at all times.

You are responsible for maintaining the safety of others as well as your own. Anyone behaving in an unsafe fashion will be stopped and a suitable warning given. You will **not** be allowed to continue with an assignment if you compromise any of the Health and Safety requirements. This may seem rather strict but, apart from the potentially unpleasant consequences, you must acquire the habits required for the workplace.

Time allowance

The recommended time allowance for this assignment is **3 hours**.

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Candidate Instructions

Time allowance: 3 hours

Assignment set up:

This assignment is made up of **three** tasks:

- Task A – Preparation for installation of software
- Task B – Installing and configuring
- Task C – Testing and upgrading

Scenario

You have been asked by a recruitment agency to install an upgraded operating system and supporting software on an Internet ready computer. They want the computers to be configured appropriately to help a member of staff who is visually impaired to access the system easily.

Task A – Preparation for installation of software

Please use the Answer Sheet provided to complete Task A.

1 Identify **two** modifications that could be made to the existing system in order to enhance the system for the visually impaired user.

Task B – Installing and configuring

Please use the Answer Sheet provided to complete Task B.

1 Identify **five** pre-installation checks, including any health and safety precautions, which need to be taken before installing an operating system.

2 Identify **three** common types of problems and their solutions that can occur during an installation.

3 State **three** reasons to back-up user data and identify standard methods used.

Task C – Testing and upgrading

1 Perform a back-up of user data to suitable storage media.

2 Please use the Answer Sheet provided to complete Task C2.
Identify **three** possible reasons for upgrading Operating System (OS) software.

3 Please use the Answer Sheet provided to complete Task C3.
Describe the **main** software licensing types to be considered when installing OS software.

4 Please use the Answer Sheet provided to complete Task C4.
Describe **three** ways of registering software.

5 Inspect the system for suitability before installing an OS and conduct a virus scan on the installation media.

6
- Prepare your work area, so that you are ready to build a computer system.
- Prepare the hardware prior to installation, checking for any damage. Ensure you have the correct equipment to install the components given.
- Prior to installation ensure all of the components are compatible and able to be installed.
- Report any issues encountered to the assessor.
- Install the given hardware and configure the components.
- Identify to the assessor any issues with the components.
- Record all of your installations in the installation log.

7 Install OS.
Identify and resolve any failures from POST indication.

8 Resolve any conflicts/errors that exist in an OS configuration.
Carry out a functionality test and record the results.

9 Install and configure anti-virus and firewall software provided.

10 Install either an OS service pack or a software patch/upgrade.
Carry out a functionality test and record the results.

11 Please use the Answer Sheet provided to complete Task C11.
Identify **two** actions to be taken on completion of testing.

12 Demonstrate **two** ways of maximising usability for the visually impaired user.

13 Restore standard default settings to the OS.

14 Please use the Answer Sheet provided to complete Task C14.
Identify, who external providers of information might be when providing technical support.

15 Please use the Answer Sheet provided to complete Task C15.
Describe **two** different methods of testing hardware/equipment.

16 Please use the Answer Sheet provided to complete Task C16.
Briefly describe the function of the external and internal hardware required to build a complete computer system.

17 Please use the Answer Sheet provided to complete Task C17.
Explain the purpose of testing hardware/equipment.

18 Please use the Answer Sheet provided to complete Task C18.
State the difference between the terms 'benchmark' and 'actual' performance.

19 Please use the Answer Sheet provided to complete Task C19.
State factors that can cause hardware/equipment not to perform as expected.

20 Please use the Answer Sheet provided to complete Task C20.
State the purpose of device drivers and identify **two** safe sources and procedures for obtaining them.

When you have finished working:

- Sign each document above your name and label all removable storage media with your name.
- Hand all paperwork and removable storage media to your assessor.

If the assignment is taken over more than one period, all paperwork and removable media must be returned to the test supervisor at the end of each sitting.

End of assignment

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1 Giltspur Street
London
EC1A 9DD
T +44 (0)844 543 0000 (Centres)
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