Level 2 ICT Repair centre procedure 2 (7266/7267-407/7540-267)

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e-Quals
Assignment guide for Candidates
Assignment A

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City & Guilds
1 Giltspur Street
London EC1A 9DD
T +44 (0)20 7294 2800
F +44 (0)20 7294 2400
www.cityandguilds.com
learnersupport@cityandguilds.com

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Level 2 ICT Repair centre procedure 2 (7266/7267-407/7540-267) Assignment A

Introduction – Information for Candidates

About this document

This assignment comprises all of the assessment for Level 2 Repair centre procedure 2 (7266/7267-407/7540-267).

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 – carry out an inspection, test and perform diagnosis procedures on a faulty item of ICT equipment
- Task B – decide upon and carry out necessary corrective action on the faulty item
- Task C – complete the repair procedure, testing the repaired item and completing records

Scenario

You are employed as a repair technician in a repair centre. You have been allocated a faulty base unit to test and repair. Using the repair facilities available in the assessment centre, the information on the Unit Fault Report and other available information, carry out the following tasks. At the end of the assignment, the faulty unit should have been tested, repaired and configured so that it can be returned to the customer and be used for the same application as before.

Task A

1 Carry out an external visual inspection of the base unit noting any problems on the Inspection Report.

2 Remove the base unit cover and

a) visually inspect the components and cabling for defects
b) report any defects on the Inspection Report
c) record details of major components on the Unit Major Component Audit log.

Rectify any defects found and ask your Assessor to check your work before refitting the base unit cover.

3 Connect the base unit into a serviceable workstation.

4 Boot up the system and record details of installed software on the Unit Software Audit log.

5 Back up data files as directed by the assessor.

6 As an initial test, measure the dc outputs of the power supply unit and compare them with the manufacturer's specification. Identify any out of tolerance values. Record the voltages on the Test Report.

7 Carry out diagnostic testing to identify the faulty component.

8 Record details on the Test Report (diagnostic tests).

Task B

1 Decide on the corrective actions you should take for the

a) fault identified in Task A
b) reported long-term problem of slow system speed.

Obtain the necessary replacement components from your Assessor.

2 Back-up the entire HDD onto a separate medium supplied by your Assessor.

3 Dismantle the base unit completely to board/module level.

4 Inspect and clean boards and components, recording on the Inspection Report any further defects found.

5 Re-assemble the base unit replacing components as necessary and recording details of the new components on the Repair Report.

6 Ask your Assessor to check your work before refitting the covers.

Task C

1 Connect the re-assembled base unit into the workstation and power up the system.

2 Restore the backed-up data.

3 Carry out any software re-configuration and installation necessary to accommodate the replacement components.

4 Test the system to confirm that the reported symptoms no longer exist and that there are no further defects.

5 Demonstrate to your Assessor the fully functioning system as you would to the customer.

6 Complete the Inspection, Test and Repair Reports.

7 Hand all paperwork and removable storage media to your Assessor. Ensure that your name is clearly identified on your work.

8 Sign above your name and hand all paperwork to your Assessor.

End of assignment

Published by City & Guilds
1 Giltspur Street
London
EC1A 9DD
T +44 (0)20 7294 2468
F +44 (0)20 7294 2400
www.cityandguilds.com

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