Applied ICT

OCR GCE H715 Unit G058 Developing and maintaining ICT systems for users

Unit Recording Sheet

Please read the instructions printed at the end of this form. **One** of these sheets, suitably completed, should be attached to the assessed work of **each** candidate.

Unit Title	**19 Developing and maintaining ICT systems for users**	**Unit Code**	**G058**	**Session**	Jan/June	**Year**	**2**	**0**	**0**	
Centre Name					**Centre Number**					
Candidate Name					**Candidate Number**					

You need to produce: records of specifying, upgrading and repairing ICT systems. Your evidence needs to include: **a:** [AO3] records of interviews with **two** different users to identify their key requirements; **b**: [AO2] detailed specifications for an ICT system for each user, along with explanations of the reasons for selecting particular components, in non-technical language [**8**]; **c:** [AO1] records of carrying out an upgrade involving selecting and adding a new component to a system; **d:** [AO1] records of carrying out an upgrade by replacing a component in a system; **e:** [AO3] records of troubleshooting procedures carried out to identify faulty components; **f:** [AO4] an evaluation of the information sources used to find information on components; **g:** [AO4] an evaluation of the specifications and approaches taken to specifying, upgrading and repairing systems.

Criteria			Teacher Comment	Page No.
a.1: You analyse each user's needs and establish their key requirement; **[0 1 2]**	**a.2:** you plan the questions you will ask each user to establish their key requirement; **[3 4]**	**a.3:** you use in-depth questioning to analyse each user's needs and establish their key requirement. **[5 6]**	**Mark**	
b.1: You specify, for the two different systems, at least one of each of the following components: – micro-processor and associated components; – display system; – memory; – storage device; – input device; – output device; and include, in the specification for each component, details of type, size, speed, method of connection, bus type, type of case, device controllers and other cards, as appropriate; explain, in language that can be understood by each user, the characteristics of components that relate to their requirements; **[0 1 2 3]**	**b.2:** you use a range of sources of information, such as computer magazines, technical manuals, text books and the Internet to gather information about the components listed in Mark Band 1, and their prices and configurations, in order to advise each user of configurations which closely match the requirements, renegotiating these if necessary and amending your specification to meet the revised requirements; **[4 5 6]**	**b.3:** you justify your choice of each configuration by matching it to the user's key requirements; you include consideration of the compatibility of the recommended components and show that, in recommending a configuration, you have considered other factors such as cost and availability; you include advice about 'future-proofing' in your report to each user. **[7 8]**	**Mark**	
c.1: You select components that meet the user's needs for an upgrade and that are compatible with the existing system, and you carry out an upgrade that requires the addition of a single component, following correct procedures; **[0 1 2 3]**	**c.2:** you recognise the limitations of the existing system when recommending and selecting components to upgrade it, and carry out an upgrade that requires the BIOS to be reset, following correct procedures; **[4 5]**	**c.3:** you select components for an upgrade, identifying any additional components or reconfiguration required, and carry out an upgrade where such additional components and/or reconfiguration are required, following correct procedures. **[6 7 8]**	**Mark**	

Criteria			Teacher Comment	Page No.
d.1: You upgrade a system by replacing one component with another that is compatible with the existing system, following correct procedures; **[0 1 2]**	**d.2:** you upgrade a system where the upgrade of one component requires the replacement of another, following correct procedures; **[3 4 5]**	**d.3:** you carry out an upgrade to a system that requires the BIOS to be changed or upgraded. **[6 7]**	**Mark**	
e.1: You use an appropriate method to identify the component that is causing a system to fail, keeping brief records of problems and solutions; **[0 1 2]**	**e.2:** you use a systematic approach to identifying the component that is causing the system to fail, keeping detailed records of problems and solutions; **[3 4]**	**e.3:** you use testing tools and procedures and locate information on hardware error messages to help you identify the component that has caused a system to fail, indexing detailed records of problems and solutions to help solve similar problems in the future. **[5 6]**	**Mark**	
f.1: You show that you have considered the accuracy, currency and relevance of the information sources you have used when specifying and upgrading systems; **[0 1 2 3]**	**f.2:** you compare the information sources used when specifying and upgrading systems in terms of their accuracy, currency and relevance; **[4 5]**	**f.3:** you evaluate critically the accuracy, currency and relevance of the information sources you have used when specifying and upgrading systems. **[6 7]**	**Mark**	
g.1: You comment on how well your specifications met the needs of the users and the effectiveness of the approach you took to specifying, upgrading and repairing ICT systems; your report may contain errors in spelling, punctuation and grammar; **[0 1 2]**	**g.2:** you identify strengths and weaknesses in your specifications and the approach you took to specify, upgrading and repairing ICT systems, recommending improvements; your report will contain few spelling, punctuation and grammar errors; **[3 4 5]**	**g.3:** you provide a critical analysis of your specifications and the approach you took to specifying, upgrading and repairing ICT systems, taking into account user feedback, and suggest how you would refine them in the future; your report will be consistently well-structured and there will be few, if any, spelling, punctuation and grammar errors. **[6 7 8]**	**Mark**	
		Total/50		

If this work is a re-sit, please tick		Session and Year of previous submission	Jan / June	2	0	0		Please tick to indicate this work has been standardised internally	

Please note: This form may be updated on an annual basis. The current version of this form will be available on the OCR website (www.ocr.org.uk).
A completed Centre Authentication form CCS160 **must** accompany the MS1 when it is sent to the moderator.

Guidance on Completion of this Form

1 **One** sheet should be used for each candidate.
2 Please ensure that the appropriate boxes at the top of the form are completed.
3 Please enter *specific* page numbers where evidence can be found in the portfolio, and where possible, indicate to which part of the text in the mark band the evidence relates.
4 Circle the mark awarded for each strand of the marking criteria in the appropriate box and also enter the circled mark in the final column.
5 Add the marks for the strands together to give a total out of 50. Enter this total in the relevant box.