Applied ICT

OCR GCE H515/H715 Unit G058

Unit Recording Sheet

Please read the instructions before completing this form

Examination Session		Year	

Unit Code	G058	Unit Title	Developing and maintaining ICT systems for users

Centre Number		Centre Name	

Candidate Number		Candidate Name	

Evidence: Records of specifying, upgrading and repairing ICT systems. The candidate's evidence needs to include: Records of interviews with two different users to identify their key requirements; detailed specifications for an ICT system for each user, along with explanations of the reasons for selecting particular components, in non-technical language; records of carrying out an upgrade involving selecting and adding a new component to a system; records of carrying out an upgrade by replacing a component in a system; records of troubleshooting procedures carried out to identify faulty components; an evaluation of the information sources used to find information on components; an evaluation of the specifications and approaches taken to specifying, upgrading and repairing systems.

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

Page	A.1 Criteria (0 - 1 - 2 marks)	Comment
	☐ The candidate plans some questions to ask each user and uses their responses to analyse each user's needs and establish their key requirement;	
	A.2 Criteria (3 - 4 marks)	
	☐ The candidate plans detailed questioning of each user and uses their responses to analyse each user's needs and establish their key requirement;	
Mark (Max 6)	**A.3 Criteria (5 - 6 marks)**	
	☐ The candidate plans and uses in-depth questioning to analyse each user's needs and establish their key requirement, asking supplementary questions and/or re-interviewing the user(s) as necessary.	

Page	B(i).1 Criteria (0 - 1 - 2 - 3 marks)	Comment
	☐ The candidate specifies, for each system, at least one of each of the following components;• micro-processor and associated components; • display system; • memory; • storage device; • input device; • output device; and includes, 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; ☐ the candidate explains, in language that can be understood by each user, the characteristics of components that relate to their requirements;	
	B(i).2 Criteria (4 - 5 - 6 marks)	
	☐ The candidate uses 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 their specification to meet the revised requirements; ☐ the candidate explains, in language that can be understood by each user, the characteristics of components that relate to their requirements and justify their choice of each configuration by matching it to the user's key requirements;	
Mark (Max 8)	**B(i).3 Criteria (7 - 8 marks)**	
	☐ in addition to the requirements of Mark Bands 1 and 2, the candidate provides a detailed explanation of the impact on their recommended systems of the compatibility of the recommended components and other factors such as cost and availability; ☐ the candidate includes advice about 'future-proofing' in their report to each user.	

Page	C.1 Criteria (0 - 1 - 2 - 3 marks)	Comment
	☐ The candidate determines a user's needs for an upgrade and selects components that meet the user's needs and that are compatible with the existing system; ☐ the candidate carries out an upgrade that requires the addition of a single component, following correct procedures;	
	C.2 Criteria (4 - 5 marks)	
	☐ The candidate determines a user's needs for an upgrade and recognises the limitations of the existing system when recommending and selecting components to upgrade it; ☐ the candidate carries out an upgrade that requires the BIOS to be reset and/or reconfiguration of the operating system, following correct procedures;	
Mark (Max 8)	**C.3 Criteria (6 - 7 - 8 marks)**	
	☐ The candidate determines a user's needs for an upgrade and selects components for an upgrade, recognising the limitations of the existing system and identifying any additional components or reconfiguration required; ☐ the candidate carries out an upgrade where such additional components and/or reconfiguration are required, as well as an upgrade that requires the BIOS to be reset, following correct procedures.	

Page	D.1 Criteria (0 - 1 - 2 marks)	Comment
	☐ The candidate upgrades a system by replacing one component with another that is compatible with the existing system, following correct procedures;	
	D.2 Criteria (3 - 4 - 5 marks)	
	☐ The candidate upgrades a system where the upgrade of one component requires the replacement of another, following correct procedures;	
	D.3 Criteria (6 - 7 marks)	
Mark (Max 7)	☐ The candidate carries out an upgrade to a system where the upgrade of one component requires the replacement of another and that requires the BIOS to be replaced or upgraded, following correct procedures.	

Page	E.1 Criteria (0 - 1 - 2 marks)	Comment
	☐ The candidate uses a systematic approach to identify the component that is causing a system to fail, keeping brief records of problems and solutions;	
	E.2 Criteria (3 - 4 marks)	
	☐ The candidate uses a systematic approach, including the use of testing tools and procedures, to identifying the component that is causing the system to fail, keeping detailed records of problems and solutions;	
	E.3 Criteria (5 - 6 marks)	
Mark (Max 6)	☐ The candidate uses a systematic approach, including the use of testing tools and procedures and locating information on hardware error messages, to help them identify the component that has caused a system to fail, keeping a detailed problem log that indexes problems and solutions to help solve similar problems in the future.	

Page	F.1 Criteria (0 - 1 - 2 - 3 marks)	Comment
	☐ The candidate compares the information sources used when specifying and upgrading systems in terms of their accuracy, currency and relevance;	
	F.2 Criteria (4 - 5 marks)	
	☐ The candidate evaluates the accuracy, currency and relevance of the information sources they have used when specifying and upgrading systems;	
Mark (Max 7)	**F.3 Criteria (6 - 7 marks)**	
	☐ The candidate provides a critical analysis of the information sources they have used when specifying and upgrading systems in terms of their accuracy, currency and relevance.	

Page	G.1 Criteria (0 - 1 - 2 marks)	Comment
	☐ The candidate comments on how well their specifications met the needs of the users and the effectiveness of the approach they took to specifying, upgrading and repairing ICT systems; ☐ the candidate's report may contain errors in spelling, punctuation and grammar;	
	G.2 Criteria (3 - 4 - 5 marks)	
	☐ The candidate identifies strengths and weaknesses in their specifications in relation to the needs of the users and the approach they took to specify, upgrading and repairing ICT systems, recommending improvements; ☐ the candidate's report will contain few spelling, punctuation and grammar errors;	
	G.3 Criteria (6 - 7 - 8 marks)	
Mark (Max 8)	☐ The candidate provides a critical analysis of their specifications in relation to the needs of the users, taking into account user feedback, and of the approach they took to specifying, upgrading and repairing ICT systems, suggesting how they would refine them in the future; ☐ the candidate's report will be consistently well-structured and there will be few, if any, spelling, punctuation and grammar errors.	

MARK TOTAL		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). The completed Centre Authentication form CCS160 **must** accompany the MS1 when it is sent to the moderator

Guidance on Completion of this Form

1 **One** form 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 Enter the mark awarded for each strand of the marking criteria in the appropriate box and also enter the final mark in the total column.

5 Add the marks for the strands together to give a total out of 50. Enter this total in the relevant box.

Extra Comment (please indicate to which Criteria comments refer)