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General marking approach

The following process details at high level the steps that will be undertaken by the external marking teams at City & Guilds following the submission of candidate's submitted evidence (including additional supporting evidence such as videos of presentations etc.).

Process

- Marker scans/reads the candidate's evidence, any notes on the CRF e.g. regarding level of support/guidance recorded and the band descriptors. Evidence contained on the CRF is taken into account along with all other candidate evidence at the point of marking. The external marker makes a judgement on the level of performance the candidate has demonstrated taking all the evidence into consideration and they then judge the appropriate mark following the normal process.
- Marker makes an initial assessment of the best fit to band.
- Marker reviews the candidate evidence against the initial band descriptor in more
 detail to decide if the response is securely sitting within the band; i.e. all
 characteristics described by the band descriptor are seen or it strongly meets the
 level of performance described by the descriptor holistically:
 - o marker will also check the descriptor for the level above
 - if evidence clearly shows some of the characteristics of the higher band, the marker will select a suitable mark at the bottom of that band
 - o if not showing characteristics of the higher band, the marker will revert to the original band, selecting a mark at the higher end of that mark range.

If the response is not securely in the band, but *is partially* showing the characteristics of the band:

- o marker will check the descriptor of the level below/above
- o marker will decide on a suitable mark either at the bottom of the original band as some characteristics shown, or top of the lower band if it better describes the quality of the characteristics being shown.

If the response is largely meeting the band, with only a few concerns and is not showing characteristics aligning with the higher or lower bands, the appropriate mark is likely to be in the middle range.

If there is no alignment with the descriptor, the marker will reassess the starting band, and begin again.

- Based on the level of alignment with the descriptor, the marker will confirm a final mark within the band, bearing in mind the marks available form an evenly distributed scale:
 - if the quality of response fully aligns with the performance described by the descriptor, the marker will assign a high mark within the band
 - if the quality of the response partially aligns with the performance described by the descriptor, the marker will assign a low to medium mark within the band
 - the marker will consider the quality of a range of similar responses (e.g. annotated lead grade exemplification materials, responses reviewed during standardisation, and through experience) and choose a mark that would give an appropriate ranking amongst those responses in relation to the full range of marks available in each band.
- In order to fully assess the evidence, it may be necessary to focus on several distinct aspects. These have been grouped into separate sub-grids to allow the marker to make separate assessment decisions, rather than attempt to bring disparate

- elements together as a holistic judgement, to support reliability, validity and manageability for the marker.
- Should a candidate make an error or display a weakness in one task that is further compounded through the inter-dependent nature of the tasks and carry through that error, the marker should penalise the candidate only once. Each task should be considered within the constraints of the marking for the task itself, focusing on the knowledge and skills to be demonstrated in that task. For example, if the candidate does not research suitable DRUPS in task 1, when they get to the presentation task 4 where the solution is presented the marker should focus on looking at how well the candidate presents the solution they are proposing, i.e. it is the presentation and communication skills that hold the main relevance in this task, rather than further penalising the candidate for a less than optimal DRUPS research and proposal from the initial task 1. Candidates can also use evaluation within later task responses to address issues they have identified.

Assessment objectives

The Employer-Set Project is assessed against five assessment objectives. The assessment objectives are mapped against each task within the marking grids:

AO Ref	Assessment Objective
AO1	Plan their approach to meeting the project brief.
AO2	Apply core knowledge and skills as appropriate:
• AO2a	o core knowledge
AO2b	o core skills:
	i) analysing and interpreting – evaluate and confirm the brief with reference to context, objectives and constraints (e.g. requirements, resources, precedents, technical issues, costs, health and safety, regulations, possibilities) ii) planning and preparation – propose and plan key activities, stages, methods, processes, techniques, documentation, resources (including types of tools and equipment) and risk assessments iii) developing responses – propose maintenance, installation and repair processes for achieving specific objectives and quality outcomes, using relevant techniques, and technology, within limits of own authority iv) evaluating and quality assuring – investigate components and systems, to gather and evaluate relevant evidence and data, and to confirm the suitability of processes, actions and outcomes (including quality control and quality assurance activities) v) communication and presentation – record, report, communicate and present plans, proposals, processes, issues, risks and outcomes to both technical and non-technical audiences, across a range of suitable formats and media (e.g. diagrams; physical and digital records, presentations).
AO3	Select relevant techniques and resources to meet the brief.
AO4	Use maths, English and digital skills as appropriate:
 AO4a 	o maths
• AO4b	o English
• AO4c	o digital.
AO5	Realise a project outcome and review how well the outcome meets the brief:
 AO5a 	o realise a project outcome – was the right outcome achieved
• AO5b	o review how well the outcome meets the brief, how well was the brief met, the quality of the outcome in relation to the brief.

Employer-Set Project mark distribution

This table illustrates how the 90 marks for the Employer-Set Project are distributed against the tasks and mapped to each assessment objective. These have been set by subject matter experts and employers and will support the comparability between versions of the Employer-Set Project over time.

Tasks	A01	AO2a	AO2b	AO3	AO5a	AO5b	Total	AO4a	AO4b	AO4c	
1. Research	3	3	6	3	0	0	15				
2. Report	3	6	6	3	3	3	24				
3. Plan	3	6	6	3	0	0	18	3	3	3	
4. Present	3	6	6	3	3	3	24				
Total	12	21	24	12	6	6	81		9		90
AO marks	12	4	5	12	1	2	-		9		90
AO %	13.3%	50)%	13.3%	13.	3%	-		10%		100%

NB - AO2 collectively must be at least 50% (i.e. 45 marks).

1. Research

Guidance for markers

The following evidence must be used to assess performance against this assessment objective:

- technical brief
- research notes
- list of references/sources.

	Ban	Band 1 descriptor			Band 2 descriptor			Band 3 descriptor			Total marks available
Task 1	1	2	3	4	5	6	7	8	9	AO1	9
Research		Indicative Content – Sample version								(3)	
(Planning, core knowledge,	of the tech planned th	nnical brief neir researd	and researd	ch notes an	d also in th	eir details o	f research ap	e coherence o oproach and h lation to requi	ow they	AO2a (3)	
selecting techniques and resource)	The accur refining the technology specification requirement designs has of the currenvironment. AO3 - The clarity of sinformation technical of the current specification of the currenvironment.	ne candidated acy of the less of systems. Research to been prent installated and colutions and included drawings, consider the candidate and the candidate a	orief contented lesign spector meet the comment the comment of the	It in relation ification gived design species, manufacted installed a installe	to sources en in task 1 cification su curers and s ions within and commis and safety of and resour arly they are cumentation atics, image	. Evidence . Candidate . Candidate . pplied by the suppliers and similar man esioned, con consideration rees to mee de derived fro required so	of the candides provided done client - to independent of the client of the client of the case of the c	within the tectate narrowing etails on resenctude system, commissioning arrowing the designing of their relevance and resences, diagrams discalculations.	y and arch of ns selected, ng/testing where such limitations d, nce. The earched , CAD	AO3 (3)	

Band 1 descriptor	Band 2 descriptor	Band 3 descriptor	AOs (marks)	Total marks available
Marking descriptors - All vers	sions			
Some evidence of a planned approach to research. (AO1)	Approach to research and collation of information shows planning and consistency. (AO1)	Brief requirements are considered consistently throughout the research and information collation – clear evidence of methodical and thorough approach to research and information gathering. (AO1)		
Some elements of core knowledge referenced but focus may be imbalanced and more focused on one area than another. (AO2a)	Core knowledge applied in most areas of the brief requirements for example in relation to technology, regulations and development of initial ideas. (AO2a)	Core knowledge applied in all areas of the brief requirements including - technology, regulation etc, and idea summation. (AO2a)		
Research techniques and resources clear as part of evidence submission. (AO3)	Evidence of a range of techniques and resources used and referenced, with different source types considered. (AO3)	Evidence of comprehensive research techniques, use of resources, and full range of sources. All sources fully detailed and presented fully and consistently. (AO3)		

	Band 1 descriptor		Band 2 descriptor Band 3 desc			lescriptor	AOs (marks)	Total marks available			
Task 1	1	AO2b (6)	6								
Research (Core skills)	AO2b - The can requirements fro communication conciseness of supported e.g. ti	Indicative Content – Sample version AO2b - The candidate's demonstration of judgement and reasoning in relation to the review of the requirements from the brief and the content within the report. The candidate's effectiveness of communication of requirements for DRUPS options as outlined in the brief – clarity and conciseness of response. Expression of ideas in written evaluation and level to which they are supported e.g. through inclusion of images and level of referencing to sources. Evidence of planning in technical brief in terms of consistency and balance of response (time spent consistently on elements).									
	Marking descri	ptors – All vers	ions								
	Some basic elements of core skills applied and evidenced consistently in task response - limited use of skills in relation to brief requirements. (AO2b) A range of core skills applied and comprehensively and comprehensively throughout task completion with - full range of core skills evidenced. (AO2b)										

2. Report

Guidance for markers

The following evidence must be used to assess performance against this assessment objective:

- written report
- drawings.

	Band 1 d	escriptor	Band 2 descriptor Band 3 descriptor			AOs (marks)	Total marks available			
Task 2	1	2	3	3 4 5 6						
Report (Planned approach, selecting techniques)	AO1 - The cand layout and anno coverage of poil detailed in the taclient brief toget of detail include submitted evide AO3 - Drawing/sand relevant equindustry standar components and	otation of drawing onts. Also, level of cask. How clearly ther to produce a d in report/drawin nce. sketches/annotat uipment – use of rds. Sketches/dra	anned their reports. Efficiency of plus detail provided of the candidate has believable and rengs and content/detail diagram indicated diagram indicated symbols, abbrevious of position will closely drawing	anning in the con f any assumption s planned and fitte ealistic response. etail and the use ates location of partions and annothing and mechanic	esistency and bala is related to the D ed the different el The balance to the of layout, space arts, connections ations clearly and cal/electrical conr	once of DRUPS points dements of the he level/amount etc in the of components d in line with nections of the	AO3 (3)			

Marking descriptors – All version	ons	
approach to task, response	Approach to report and drawings is planned, organised and complete. (AO1)	Approach to report and drawings fully comprehensive and in line with standard industry practices. (AO1)
in the preparation and presentation of drawings and	Relevant techniques used throughout the preparation and presentation of drawings and associated information. (AO3)	Preparation and presentation of drawings and associated information is fully in line with industry conventions showing the use of all correct techniques. (AO3)

	Band 1 d	lescriptor	Band 2 descriptor Band 3 descriptor				AOs (marks)	Total marks available
Task 2	1	2	3	4	5	6	AO2a (6)	6
Report (Core knowledge)	AO2a - The car evidenced by th consistency with guidance, have of safety factors	ne choice of languent the intended auther the potential to be. Drawing/sketched relevant equipment.	core knowledge to age used in any adience. The solution implemented an aes/annotated diament – use of sym	text on the annotations proposed, hand their technical gram indicates lo	ations etc, its tech ow well they mee sense and level of cation of parts, co	nnical level and et industry of consideration onnections of		

Band 1 descriptor	Band 2 descriptor	Band 3 descriptor	AOs (marks)	Total marks available				
Marking descriptors - All vers	Marking descriptors – All versions							
Some elements of core knowledge drawn on and evidenced - limited comprehension of knowledge in relation to brief requirements e.g. brief requirements omitted indicating lack of knowledge of that area. (AO2a)	Knowledge from across the core applied and evident in relation to different elements of project brief. (AO2a)	Core knowledge applied consistently throughout response with minimal technical inaccuracies. (AO2a)						
Some links to the application of core knowledge to support judgements, but connections are not always clear and accurate. (AO2a)	Links to the application of core knowledge to justify and support judgements, but with some gaps or inaccuracies. Concepts explained/referenced clearly and correctly. (AO2a)	Connections between elements of core knowledge exploited to strengthen arguments and demonstrate understanding. (AO2a)						

Band 1 d	escriptor	Band 2 descriptor		Band 3 d	AOs (marks)	Total marks available	
1	2	3	4	5	6	AO2b	6
AO2b – The car synergised appr annotations on o	mension and attemption at the						
Marking descri							
drawn on and e task response - skills in relation	videnced within limited use of to brief	and evident in ta relation to differ	ask response in ent elements of	throughout task - full range of co			
Response has limited logic and shows superficial coherence between different aspects of the brief. (AO2b) Response is logical and shows some coherence between different aspects of the brief. (AO2b) Response is logical and demonstrates detailed coherence between different aspects of the brief. (AO2b)							
	Indicative Conta AO2b – The car synergised appr annotations on opositioning and Marking descri Some elements drawn on and extask response - skills in relation requirements. (A	Indicative Content – Sample vera AO2b – The candidate's incorporsynergised approach to requirem annotations on drawings. How we positioning and mechanical/elect Marking descriptors – All versions Some elements of core skills drawn on and evidenced within task response - limited use of skills in relation to brief requirements. (AO2b) Response has limited logic and shows superficial coherence between different aspects of	Indicative Content – Sample version AO2b – The candidate's incorporation of the requisive synergised approach to requirements. Use of propannotations on drawings. How well drawings and a positioning and mechanical/electrical connections Marking descriptors – All versions Some elements of core skills drawn on and evidenced within task response - limited use of skills in relation to brief requirements. (AO2b) Response has limited logic and shows superficial coherence between different aspects	Indicative Content – Sample version AO2b – The candidate's incorporation of the required aspects in the synergised approach to requirements. Use of proportion within drate annotations on drawings. How well drawings and associated annotationing and mechanical/electrical connections of the componer Marking descriptors – All versions Some elements of core skills drawn on and evidenced within task response - limited use of skills in relation to brief requirements. (AO2b) Response has limited logic and shows superficial coherence between different aspects of	Indicative Content – Sample version AO2b – The candidate's incorporation of the required aspects in the response – use synergised approach to requirements. Use of proportion within drawings – Use of diannotations on drawings. How well drawings and associated annotations communic positioning and mechanical/electrical connections of the components and equipment of the components a	Indicative Content – Sample version AO2b – The candidate's incorporation of the required aspects in the response – use of logical and synergised approach to requirements. Use of proportion within drawings – Use of dimension and annotations on drawings. How well drawings and associated annotations communicate the positioning and mechanical/electrical connections of the components and equipment etc. Marking descriptors – All versions Some elements of core skills drawn on and evidenced within task response - limited use of skills in relation to brief requirements. (AO2b) A range of core skills applied and evident in task response in relation to different elements of project brief. (AO2b) Core skills applied consistently throughout task completion with full range of core skills evidenced. (AO2b) Response has limited logic and shows superficial coherence between different aspects of the brief.	Indicative Content – Sample version AO2b – The candidate's incorporation of the required aspects in the response – use of logical and synergised approach to requirements. Use of proportion within drawings – Use of dimension and annotations on drawings. How well drawings and associated annotations communicate the positioning and mechanical/electrical connections of the components and equipment etc. Marking descriptors – All versions Some elements of core skills drawn on and evidenced within task response - limited use of skills in relation to brief requirements. (AO2b) A range of core skills applied and evident in task response in relation to different elements of project brief. (AO2b) Core skills applied consistently throughout task completion with - full range of core skills evidenced. (AO2b) Response has limited logic and shows superficial coherence between different aspects of the brief.

	Band 1 d	lescriptor	Band 2 descriptor		Band 3 descriptor		AOs (marks)	Total marks available
Task 2	1	2	3	4	5	6	AO5a (3)	6
Report (Realise outcome, review outcome)	Indicative Conto AO5a – The effort requirements of drawings. Evide requirements. To require d. AO5b – Evidence elements have be the preferred Dispension of the prevention of	AO5b (3)						
	Marking descri							
	Response partia some of the tas (AO5a)		Response address aspects of the transpects of the transpects.	ask	Response fully aspects of all el task requiremen	lements of the		
	Justification and clearly address task outcome malacks clarity and places. (AO5b)	how well the net the brief and	Justification and address how we outcome was ad		addresses how	and specifically		

3. Plan

Guidance for markers

The following evidence must be used to assess performance against this assessment objective:

- planning chart
- supporting statement.

	Band 1 d	escriptor	Band 2 descriptor Band 3 descriptor		AOs (marks)	Total marks available		
Task 3	1	2	3	4	5	6	AO1 (3)	6
Plan (Plan approach, select techniques/ resources)	AO1 – The cand the different act AO3 – The cand level of reasonir	ivities, clarity and didate's demonst ng provided. Use	of the task respo accuracy of conditions action of judgeme	ents in the sequent inology with the s	cing of required e	elements, and	AO3 (3)	

Band 1 descriptor	Band 2 descriptor	Band 3 descriptor	AOs (marks)	Total marks available
Marking descriptors – All vers				
Limited approach to planning, response contains evidence of some of the required elements. (AO1)	Response contains required elements in logical order with consideration of those involved and layout. (AO1)	Logical and clear approach used with evidence of a detailed plan and methodology in line with standard engineering industry practices and effective prioritisation. (AO1)		
There is limited justification for the selection of resources (e.g. equipment, tools), safety considerations etc The choices made are not always the most effective or appropriate for the prescribed project brief. (AO3)	Sequencing of activity and/or resources (e.g. equipment, tools), methods, and materials selected from those available to respond to the brief requirements with justification. The choices made are mostly accurate and appropriate for the prescribed project brief. (AO3)	There is a detailed and justified approach to the proposed resources (e.g. equipment, tools), sequence of activities, safety considerations etc. The choices made are accurate and appropriate for the prescribed project brief. (AO3)		

	Band 1 d	escriptor	Band 2 descriptor Band 3 descriptor		AO (marks)	Total marks available				
Task 3	1	2	3	4	5	6	AO2a (6)	6		
Plan	Indicative Cont	Indicative Content – Sample version								
(Apply core knowledge)	supporting state chain considera costings and as resources, links the form of a Ga calibration time considerations i etc for each conspecifications. For durations etc.	ement. Details of tions – where co sociated risks. Plantt chart. Inclusionand sequence liruncluding risk assenponent. Rough of Flow chart documannotations or details.	tion of core knowl costs and purchasts may increase lanning chart show of where there are on of detailed required and cated the essment required costings and calculated has key, colorscription of how to appropriate action	sing consideration or savings could wing details of state dependencies/in uired elements teato job role. Healthnents and linked to ulations, including ur coding or clear to interpret as appropries.	ns, potential sour be made, similar ages, durations of dependent activities esting/commission and safety and of to the use of tools g consideration of r indication of tas propriate (legend	rces, supply examples of f task, ties – may be in ning, and environmental s, live systems f tolerances and ks allocations or key				

Marking descriptors – All version	ons		
knowledge referenced within plan - limited comprehension of knowledge and skills in relation to brief requirements. (AO2a)	Elements of core knowledge directly highlighted in brief referenced within plan – knowledge evidenced may have gaps or show some misunderstanding. (AO2a)	Knowledge from across the core applied and evident in plan in relation to different elements of project brief. (AO2a)	
some links to the application of core knowledge to support judgements, but connections are not always clear and	Supporting information details links to the application of core knowledge to justify and support judgements, but with some gaps or inaccuracies. (AO2a)	Connections between elements of core knowledge fully explained within the supporting information to strengthen arguments and demonstrate understanding. (AO2a)	

	Band 1 d	escriptor	Band 2 descriptor Band 3 descriptor				AO (marks)	Total marks available
Task 3	1	2	3	4	5	6	AO2b (6)	6
Plan	Indicative Con							
(Apply core skills)	AO2b – The proconveyed using presentation (e. requirements). I logic and cohere	s of ntent The structure,						
	Some elements skill applied - lin	of each core nited application ice in relation to	Elements of all	ted in brief used onsistency	All aspects of a applied effective plan creation with on to required collinking of skills to is fully consider	ely throughout ith clear focus outcomes and to task elements		

4. Present

Guidance for markers

The following evidence must be used to assess performance against this assessment objective:

- presentation materials (slides, handouts etc)
- video recording of presentation (including question and answers).

	Band 1 de	escriptor	Band 2 descriptor		Band 3 descriptor		AO (marks)	Total marks available
Task 4	1	2	3	4	5	6	AO1 (3)	6
Present (Plan approach, select techniques/ resources, English)	presentation (e.g within the preser AO3 – The cand appropriate and use of other refe delivery (e.g. ma	idate's level of pg. containing an intation, a conclustration, a conclustration, a conclustration and a conclustration and a conclustration behavior and a c	lanning in relation introduction to the sion, and an invita and application of e (e.g. use of slid). The candidate's intact with the aucour is displayed (e.g.).	emselves, an introduction to ask questof techniques for e deck, reference use of positive not lience) and clarity e.g. rocking, tapport is structured gical approachment task with ming. (AO1) d to deliver the emostly echnical rided is of the time with	ation. The logic a oduction to what vitions from the audiented delivering the presented to notes, provision-verbal communy of speaking/deli	will be covered dience). esentation, how on of handouts, nication during very, and the n is organised, ogical in its clear that the ntent has been erms of its) ed to deliver the effective with asoning behind provided. nation is fully	AO3 (3)	

	Band 1 d	escriptor	Band 2 descriptor		Band 3 descriptor		AOs (marks)	Total marks available
Task 4	1	2	3	4	5	6	AO2a (6)	6
Present (Apply core knowledge)	AO2a – The car demonstration of and cover the ke challenges inter in the solutions selected with re as indicated with sourcing, comm programmes. The	of judgements in the preted from within presented. The presented considerable in the brief — lindustrian and call the confidence and ent. The use of the	ersion core knowledge in the preparation of requirements. The n the brief and ex presentations cove dered justification ks made and artic libration of the sys d accuracy of the echnical language nderstanding of the	the presentation e level to which the planations as to le	, how well they a ne presentation do how these have to gy, components a linked to the requendations for instance and unplanationses to question of target audi	re reasoned refines the reen overcome and equipment ruirement points allation, red maintenance rus presented by rence) and level		

Marking descriptors – All version	ns		
to the core knowledge to conveyed through the presentation - these may not always be accurate or be	Engineering concepts relating to the core knowledge and core skills are coherent throughout the presentation to meet the requirements of the brief set. (AO2a)	Engineering concepts relating to the core knowledge and core skills are coherent with clear justifications on how these are applied in response to the brief requirement. (AO2a)	
inaccuracies and content provided may include inconsistencies and not clear to the target audience. (AO2a)	Terminology used is mostly accurate with minor errors. The content provided is mostly correct but does not always consider the target audience / may be imbalanced or biased (e.g. to either technical or non-technical focus). (AO2a)	Terminology used is accurate and error free. The content provided is clear and easily understood by the target audience, with no bias in tone / imbalance across audience type (where appropriate). (AO2a)	

	Band 1 d	escriptor	Band 2 descriptor Band 3 descriptor			AOs (marks)	Total marks available	
Task 4	1	2	3	AO2b (6)	6			
Present (Apply core skills)	Indicative Cons AO2b – How eff considerations - methods. Clarity effectiveness of							
	Marking descri	iptors – All vers	ions				1	
	Communication concepts is som effective. The detective inform accuracy and claudience. (AO2	netimes elivery of ation may lack arity for the	There are minor the delivery of in	effectively most appropriate arget audience. Inaccuracies in aformation lack of clarity in	Highly effective of engineering of appropriate for audience. Tech information is placeurately and clarity. (AO2b)	the target nical resented		

	Band 1 d	escriptor	Band 2 descriptor Band 3 descriptor		AOs (marks)	Total marks available		
Task 4	1	2	3	4	5	6	AO5a (3)	6
Present (Realise outcome, review outcome)	AO5a – The efferequirements of overcome. Clarity of identifical aspects of research future project outage. AO5b – The claspecification. Indexplanation of horoduct designs particular importage.	task 4 covering to ication of which a arch/planning pro- arctcome or if the p arity of the candid dications within the cow the candidate specification brie	candidate's projective challenges proposed response ate's evaluation at the presentation of the proposed DRL f, including any featons on ideas relating	were/were not sate esearch/planning e was to be re-wordend review of the n how these have JPS choice addrese tures considered	rief and how thes tisfied. Reflection that would impro orked. challenges of the e been overcome esses the require d by the candida	e have been as on additional ove / enhance a e client e. Clarity of ments of the te to be of	AO5b (3)	

Marking descriptors – All versi	ons	
Project outcome as a whole partially addresses some of the brief requirements. Articulates some challenges encountered. (AO5a)	Project outcome as a whole address all aspects of the brief requirements. Articulates all challenges encountered and attempts to overcome them. (AO5a)	Project outcome as a whole fully addresses all aspects of the brief requirements and considers alternative options where appropriate. Articulates fully all challenges encountered and comprehensively covers how they were overcome. (AO5a)
No or minimal reasons and justification in how effectively the brief was met across project tasks. (AO5b)	There is reason and justification in how effectively some areas of the brief were met across project tasks. (AO5b)	Detailed reasoning behind how successfully the project brief was met across project tasks. (AO5b)

Maths, English and Digital skills (AO4)

Maths

Guidance for markers

The following evidence must be used to assess performance against this assessment objective:

- written report
- drawings
- planning chart
- supporting statement.

	Band 1 descriptor	Band 2 descriptor	Band 3 descriptor	AOs (marks)	Total marks available
Tasks 1 – 4	1	2	3	AO4a	3
Maths	part of system design and reportical calculations for system layout etc. The candidate's clarity and accur	opropriate mathematics in relation ng – calculations considerations oc. Tacy in calculation of electrical and a conversions. The candidate's accompletion of planning chart.	f engines to be installed as well as	(3)	

English

Guidance for markers

The following evidence must be used to assess performance against this assessment objective:

- technical brief
- research notes
- planning chart
- supporting statement
- presentation materials (slides, handouts, notes etc)
- video recording of presentation.

	Band 1 descriptor	Band 2 descriptor	Band 3 descriptor	AOs (marks)	Total marks available
Tasks 1 – 4	1	2	3	AO4b (3)	3
English	Indicative Content – Sample ver AO4b – The candidate's use of a English, number of grammatical, drawings and plans, or within the evidence which is technical and of use of language during verbal pro- information.	(3)			
	Marking descriptors – All versi Evidence within task responses lacks structure where outcome is partially understandable. Communication style is generally appropriate to the outcome but has some inconsistencies across tasks. (AO4b)	Evidence within task responses uses conventional structure which is understandable. Communication style is appropriate to the outcome across most tasks. (AO4b)	Evidence within task responses uses a structure which makes it easy to fully understand. Communication style is appropriate to the outcome across all tasks. (AO4b)		
	Meaning is clear, but the language is not always fluent. Grammar and/or spelling contain errors or inconsistencies. Audibility of oral presentation is inconsistent. (AO4b)	Meaning is clear, language is fluent, although the response may contain colloquialisms or jargon etc. Grammar and spelling are mainly accurate. Audibility of oral presentation is good. (AO4b)	Meaning is clear, language is fluent and consistent across tasks. Grammar and spelling are consistently accurate across tasks. Deploys a range of grammatical constructions. Audibility of oral presentation is excellent. (AO4b)		

Digital

Guidance for markers

The following evidence must be used to assess performance against this assessment objective:

- list of references/sources
- planning chart
- presentation materials (slides, handouts, notes etc)
- video recording of observation.

	Band 1 descriptor	Band 2 descriptor	Band 3 descriptor	AOs (marks)	Total marks available
Tasks 1 – 4	1	2	3	AO4c (3)	3
Digital	Indicative Content – Sample vera AO4c – The candidate's use of a presentation, internet research). appropriate (e.g. formatting, layor application of software package appropriate software. The range been used to add value and their and sources in adherence with internal care and sources.				
	Marking descriptors – All vers				
	Digital technology attempted as part of task responses. (AO4c)	Consideration and use of basic digital options/features to strengthen task responses throughout project across tasks. (AO4c)	Digital options applied effectively in line with industry practices, demonstrating use of range of technology features. Digital techniques used effectively to add value to task responses. (AO4c)		



Get in touch

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Lines open: Monday to Friday 08.00 to 18.00 GMT

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