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Employer-Set Project assessment

Assessment objectives

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

	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) communication e.g. providing information and advice to customers and / or wider stakeholders on the potential risks of a change to an industrial system, or making a presentation to a stakeholder on the implications of change ii) work collaboratively with other team members and stakeholders e.g. to develop content to bid for a construction project iii) applying a logical approach to solving problems, identifying issues and proposing solutions e.g. through setting criteria for successful implementation of a system, using cost / benefit analysis of the introduction of new procedures or equipment iv) primary research e.g. obtaining measurements related to a design and / or customer requirement.
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 100 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	AO1	AO2a	AO2b	AO3	AO4a	AO4b	AO4c	AO5a	AO5b	Total
				Pa	art 1					
1.1 Research	2	3	0	2	0	0	2	0	0	9
1.2 Report	6	6	6	2	2	2	2	0	0	26
1.3 Project plan	4	10	6	2	2	0	0	0	0	24
1.4 Presentation	2	6	6	2	0	2	0	0	0	18
Total	14	25	18	8	4	4	4	0	0	77
				Pa	art 2					
2.1 Collaborative problem-solving	0	6	5	2	0	0	0	2	0	15
2.2 Evaluation	0	0	0	0	0	4	0	0	4	8
Total	0	6	5	2	0	4	0	2	4	23
AO	14	5	4	10		16		(6	100

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 candidates response, and the band descriptors
- 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
 - 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

- Marker will check the descriptor of the level below/above
- 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 (e.g. 1.1, 1.2 etc.) 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.

Marking grids

Task 1.1

Indicative content

Typical evidence may include:

Use of resources available with efficient methods employed, such as identification of key internet sites rather than falling into advertising traps when researching via search engines.

Logging all resources used and good notation and collation of technologies and removal of non-relevant information.

Notes showing evidence of chosen types of technology including dimensions, aesthetics, noise levels (where relevant) consumption or sources.

Site service provisions researched including potential locations, their advantages and limitations.

Plans and brief studied to evaluate incorporation into building or on top of building. Azimuths or orientations researched.

AO1 Examples include: Evidence of research coverage. Range of products researched, and all information collated.

AO2 Examples include: Research of points including costs, dimensions and suitability for site, site requirements.

AO3 Examples include: Evidence of systems allowing integration or installation on building.

AO4 Examples include: Logical approach to research.

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band	1 desc	riptor	Band 2	Band 2 descriptor Band 3 descriptor					Band 2 descriptor Band 3 descriptor AO						Total marks available
Task 1.1	1	2	3	4	5	6	7	8	9	AO1	9					
Research	planne researd order a organis Some of Core k referen may be and mo	elements nowledg nced but e imbala ore focus ea than	ach to ts lack s of e focus nced	of informations organised. The appliation is reference example legislation and health considerations. Evidence used and sources of Digital skills.	cation is plad. cation of Caced consistin relation of regulation and safe ations. of a range reference considered ills applied ing and considered ing and considered in the	Core knowledge stently for to on, referencing ety e of sources ed, with different d.	prior to a informat of method to resea gatherin compred including line with	quirements fully and throughout ion collation — codical and thoroughout and information. Systematic and the codical and information industry standation owledge applied industry standation owledge applied in a full range of	research and clear evidence ough approach ation and character in ards.	AO2a AO3 AO4c						

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

• Research notes, record of sources

Task 1.2

Indicative content

Typical evidence may include:

Details of chosen technology and any associated equipment, including where it should be sited and why.

How location and product type affect performance, including advantages and disadvantages.

Impact of aesthetics and how the technology is seen (or heard) by neighbours and any effects they may suffer such as reflected glare and/or other types of environmental pollution.

Decision on choice with justifications and reasoning.

AO1 Examples include: Detailed coverage of points including types of technologies meeting the brief and relevant detail contained in report.

AO2 Examples include Linking chosen technology to the site constrains and user's needs. Considerations given to impact on neighbours and linking key advantages and limitations to the brief. Logical approaches and solutions to potential risks or problems.

AO3 Examples include: Recommendations meet the needs of the site and are suited to the site based on the information researched and site dimensions and constraints.

AO4 Examples include: Use of mathematical skills, handling data and space constraints detailed on drawings including measurements. Use of language including technical, where necessary, for the chosen technology. Digital skills used in formatting, layout and production of report.

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1 descr	iptor	Band 2 descr	iptor	Band 3 descr	AO	Total marks available	
Task 1.2 1		2	3	4	5	6	AO1	6
Report	Evidence of a papproach to me which has some Most required e present and disother.	eeting brief, e structure. elements are	Evidence of a papproach to me which has a cle required element and distinct from	eeting brief, ear structure. All nts are present	Evidence of a r planned approa brief, which has clear structure. elements are p distinct from ea line with indust	ach to meeting s a logical and All required resent and ich other and in		

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1	descrip	otor	tor Band 2 descriptor Band 3 descriptor Band 4 descriptor				AO	Total marks available					
Task 1.2	1	2	3	4	5	6	7	8	9	10	11	12	AO2a	12
Report	knowled skills dra evidence limited of of know in relation requirent Some ling applicat	nks to the ion of Co lge and C	Core nd report - ension d skills f	knowled skills sp evidend - compr knowled may ha show so misund	ehensio dge and ve gaps ome erstandii to brief	Core y n report n of skills or	from a applied in report accura	inks appesearch estrated and are	e Core vident ation to ents of olied are in the	Core sk consiste respons technica Connec element knowled skills ex strength	nowledge cills applicently through the control of t	ed bughout hinimal racies. tween e Core o ments	AO2b	

judgements, but reasoning is not always clear and accurate. Links to the applicati of Core knowledge a Core skills to justify and support judgements, but with some gaps or inaccuracies in reasoning.	nd comprehensive lines of reasoning throughout.	Thorough and detailed links from research are demonstrated in the report and are accurate. Judgements are logical with comprehensive lines of reasoning throughout.			
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Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1 descriptor	Band 2 descriptor	AO	Total marks available
Task 1.2	1	2	AO3	2
Report	Information sources may not be fully exploited and may be applied inconsistently in response to meeting the brief with only limited sources used.	Techniques and sources used effectively to respond to requirements of the brief. All available techniques and sources reviewed		
	Some techniques and/or sources selected	and compared to ensure those selected most effectively and efficiently meet all aspects of		
	from those available to respond to brief requirements.	brief requirements.		

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1 descr	riptor	Band 2 descr	Band 2 descriptor		riptor	AO	Total marks available
Task 1.2	1	2	3 4		5	6	AO4a	6
Report	Some, limited reconcepts and concepts and concepts and concepts and concepts and concepts applied applied applied applied in which indicate for a less structure. A digital option attempted as postnough use material presentation of	ealculations g, measuring propriately. uage contains mprecisions limited proofing ured approach. considered or art of response y hinder	A range of maticoncepts and capplied with coachieved. Working may blonghand/inefficexpressed and inconsistently services and granguage conversed and	e incorrect or ciently workings shown. empts to follow entions, ammar — contain jargon or hology etc. and use of tions to solutions to	concepts applied consistently with	ch of accuracy and angs to ensure and eloquent conse with ors. Language ideration of adustry gital options diapplied are with industry tal techniques	AO4b AO4c	

- Report including sources/references
- Record of sources

Task 1.3

Indicative content

Typical evidence may include:

Use of the key stages for the installation and commissioning of renewable technology.

Health and safety considerations, for example access, egress and emergency access to site.

Considerations to storage facilities or delivery methods employed (Just in Time deliveries).

Delivery times and solutions to prevent parking/waiting vehicles on public road(s) outside. Turning point inside site and narrow entrance considered. Site parking provision to maintain access.

Details of any specialist equipment, such as access equipment at key stages.

Analysing risks to contract durations including potential risks from external factors such as weather or changing site conditions.

How some tasks might depend on another, to aid their completion.

Methods of waste management identified and considered in line with the Site Waste Management Plans Regulations.

A Gantt chart or equivalent project plan must be provided for evidence to be marked higher than band 1 for AO1/3/4a, as it would not meet the requirement for logical planning.

AO1 Examples include: Consideration and planning of all aspects involved in the contract from start to commissioning. Consideration towards all equipment requirements. Access and egress decisions considered.

AO2 Examples include: Linking strategies for facilities to site constraints such as transportation, services, lifting/locating. Effective research and holistic view of all site activities and how the technology chosen fits the plan and where appropriate, solutions given to potential clashes or delays. Logistics considered and managed.

AO3 Examples include: Logical sequence of events considered. Justifications on decisions made regarding equipment, and storage solutions.

AO4 Examples include: Use of data analytics.

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1 des	scriptor	Band 2 de	scriptor	Band 3 d	lescriptor	Band 4 de	scriptor	AO1 AO3	Total marks available
Task 1.3	1	2	3	4	5	6	7	8		8
Project plan	containing e some of the elements. There is limit justification of resources (equipment, emethods, and (including dispense).	ted for the techniques, e.g. contractors), id materials sposal) to e choices ot always the ve or for the project brief.	of deadline. Techniques resources (equipment, contractors) from those are respond to trequirement choices made mostly accurate prescribed pres	logical onsideration and/or e.g. , selected available to he brief is. The de are rate and for the broject brief.	Clear evid planning considerated layout. Selection of techniques resources equipment contractor methods a materials of disposal) a accurate, appropriated supported justification meeting publication.	tion of of s, (e.g. t, s), and (including are te, with some ns to	selection of methods an (including di choices mad accurate an appropriate	plan with a detailed in line with ndards and prioritised. detailed and proach to the resources, d materials isposal). The de are d for the project brief.	AO3 AO4a	
	aspects.	,	asposto III II	mod doldii.	Considera health and aspects fu	safety	relevant refe impacts, impetc.	erence to		

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band	1 desc	Band 2 descriptor			Band 3 descriptor			Band 4 descriptor				AO	Total marks available				
Task 1.3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	AO2a	16
Project plan	knowle referen plan - compr knowle relatio	elemen edge an nced wit limited ehensic edge an n to brie ements.	d Core thin proj on of d skills ef	skills ject	know highlighter reference plan - evide gaps	- know nced m	lirectly n brief vithin p ledge nay hav w some	∕e	acro appl in pr relat	wledg ess the ied ar oject ion to nents	e Corend evi plan i diffe	e ident in rent	consist project inaccilinated Connection elements knowledge full er effect demo	stently ct with uracies ections ents of	s betwe Core exploite plan s and ng full	nout inical en	AO2b	

- Project plan detailing the key stages of construction
- Supporting statement

Task 1.4

Indicative content

Typical evidence may include:

Presentation featuring all points in the brief including:

- Performance of chosen technology in relation to location.
- Logistics of site and dimensions.
- Benefits to client on recommended choice.
- Impacts on neighbours and solution to these issues.
- Recommendations on chosen solution.

How responses to questions were delivered, including clear and informative responses. Responses - using techniques to check audience understanding.

AO1 Examples include: Clear distinctions between technology choices and how well they meet the project brief. Use of digital skills to provide a layout and formatting of presentation that highlights key areas. Pitched at correct level.

AO3 Examples include: Logical approach and good use of language to be informative but technical where required.

AO4 Examples include: Detailed and structured presentation.

AO2 Examples include: Linking performance, look (aesthetics), dimensions, and method of mounting. Logical approach to problems and risks. Effective research and holistic view of all technologies and how the chosen one fits the brief and, where appropriate, solutions given to potential issues with neighbours. Communication techniques suitable for audience with clear delivery. Problems highlighted and communicated with techniques for gauging understanding of audience, such as Q&A. Coherent answering of questions showing understanding of the subjects.

Aspects of the presentation to consider (presentation skills are considered in the AO1/3/4b mark grid):

- Appropriateness for audience (eg language, terminology, acronyms)
- Basic body language, speed, clarity
- Reading slide content verbatim vs elaborating on slide content

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1 descr	iptor	Band 2 descr	iptor	Band 3 desc	AO	Total marks available	
Task 1.4 1 2		3 4		5 6		AO1	6	
Presentation	•		The presentation		The presentation		AO3	
	structure and de follow a logical to ineffective plane of the presentation is effective. Howe information is not complete and a subject of the provided may in grammatical into and therefore not targeted audients.	approach due anning. d to deliver the sometimes ever technical ot always accurate. sed may have ad content acclude consistencies ot clear to the	the task because planning. Techniques use presentation are effective. The techniques use information provaccurate most ovalid reasoning. Terminology use accurate with many the content proving the second of the content proving the second of the content proving the	ed to deliver the emostly echnical vided is of the time with ed is mostly innor errors. Ovided is in the cally correct but is consider	presentation are well justified rethe information. Terminology us and error free. provided is clear grammatically	clear that the as been erms of its result of fective ed to deliver the re effective with asoning behind provided. sed is accurate The content ar,	AO4b	

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band	iptor		Band 2 descriptor				Band	3 desci	AO	Total marks available			
Task 1.4	1	2	3	4	5	6	7	8	9	10	11	12	AO2a	12
Presentation	to the C Core sk the pre- not alw directly require Commu and the effectiv technic	Core know kills convice the converse of the converse of the converse of the converse of the core of th	oncepts whedge veyed the notest accurate to the bride sometim lelivery contaition m larity for	and rough e may or be ef eepts nes of ay lack	to the C Core si through meet the brief see Concept commode the to manner audien inaccuration	Core known kills are nout the ne request. ots and unicated ime in a recies in	concepts concepts cowledge coheren coh	and t ation to of the are ely most oriate inor very of	to the Core since the community community and the targinforms.	es and comment of the content of the	owledge coheren ons on he din resuirement of concapproprence. Te	and t with ow sponse t. epts iate for chnical	AO2b	

- Presentation materials e.g. slides, handouts
- Research notes
- Report including sources/references
- Video recording or presentation
- Assessor observation record

Task 2.1

Indicative content

Typical evidence may include:

A comparison of advantages and disadvantages of contractors.

Risks to the project based on each contractor. Discussions relating to contributions each contractor brings as well as costs to the project.

Discussion on recommendations based on analysis of both contractors.

How students collaborate to solve the issue.

Structure, layout and flow of email draft (evidence content).

Style of communication both written (draft email) and verbal (discussions).

Each candidate will be awarded marks in terms of both their contribution to the discussion and email draft. As part of this, in awarding marks a judgement will be made on how the candidate has collaborated with other group members in discussions.

Examples include: Contribution to discussion with reasoned and balanced views. Keeping discussion relevant to the tasks at hand and not being distracted by irrelevant factors. Communication skills are clear, precise with knowledge through research. Good questioning used where doubt may exist. Structured email with digital skills displayed in terms of formatting and presentation. Outcome realised and solutions provided that meet project requirements.

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band	l 1 des	r		Band 2 descriptor					Band 3 descriptor					AO	Total marks available	
Task 2.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AO2a	15
Collaborative problem-solving	to discological Ideas technic occas task. Commalways speak engagagain	active cussion I structu put forvical accions lim	althou ure of a ward m uracy a nit prog ion skill opriate a thers o with otl	gh may argume ay lack and on ress of ls were and wo r levels hers wa	/ lack nt. some the not ould sof as low	Actively contributed throughout the task to discussions. Methods proposed in solving the issue were relevant, logical, technically correct and thought through most of the time so progress in the task was made but not always timely. Communication skills are appropriate and are clear most of the time with a willingness to discuss some details in other's					Levels of contributions to discussions were high throughout all points of the task. Contributions and responses to solving the problem were logical, methodical, and well thought through. All technical information was accurate, resulting in effective and timely progress being made. Communication skills are well developed and clear. Asks probing questions of others in the group that brings about details that supports effective progress in the task. Levels of engagement are high with an indication of wanting to take the lead throughout but in a measured way. Evidence content is structured, flows and clearly addresses all issues raised in the task. Proposed methods for addressing the issues are effective and well justified.					AO2b AO3 AO5a	
	the task. Evidence content lacks structure, flow and is limited in how it meets the issues raised in the task. It is not clear that the proposed methods will address the issue.					progree engagement Evide flows issues Propour way to in the	gement ally cornected corn	ne task with ot asistent intent is ostly ad I in the ethods assing the days	through structured dresses task. will go seese issees some	red, s the some sues							

- Written discussion notes
- Drafted email
- Video recording of discussions
- Assessor observation record (notes on contributions to discussions)

Task 2.2

Indicative content

Typical evidence may include:

Reflection on effectiveness and success of responses across project tasks.

Considered analysis and evaluation of project outcome.

Examples include: all tasks fully considered with honest and justified accounts reflected in line with the brief of the project task including all outcomes. Use of language, including technical, presentation, and displays digital skills including format and layout.

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1 descriptor		Band 2 descriptor		Band 3 des	criptor	Band 4 des	criptor	AO	Total marks available
Task 2.2			3 4		5	6	7	8	AO4b	8
Evaluation	and lacks of reasoning. There is lacon how the	address he project het the brief clarity and hin places. ck of detail he project hked to the hts of the	The evaluation addresses how well the project outcome was achieved. There is some reason and justification in how effectively the brief was met. Detail provided on how the project outcome linked to the requirements of the brief with some explanation and reasons.		well the proje was achieved detailed reas how success project brief v	ve and ddresses how ect outcome d. There is oning behind fully the vas met. ed on how the me linked to ents of the ailed and	The evaluation account is comprehensive and specifically addresses how well the project outcome met the requirements of the brief. There is detailed reasoning behind how successfully the project brief was met, what was successful and why. Evaluations made are accurate and reflective of the quality and effectiveness of project outcome.		AO5b	

The following evidence must be used to assess performance against the assessment objectives within this task.

Evaluation account



Get in touch

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We are here to answer any queries you may have regarding your T Level Technical Qualification delivery.

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