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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
	<ul> <li>i) communication eg 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</li> <li>ii) work collaboratively with other team members and stakeholders eg to develop content to bid for a construction project</li> <li>iii) applying a logical approach to solving problems, identifying issues and proposing solutions eg through setting criteria for successful implementation of a system, using cost / benefit analysis of the introduction of new procedures or equipment</li> <li>iv) primary research eg obtaining measurements related to a design and / or customer requirement.</li> </ul>
AO3	Select relevant techniques and resources to meet the brief
AO4	Use maths, English and digital skills as appropriate
<ul> <li>AO4a</li> </ul>	o maths
• AO4b	o English
• AO4c	o digital
AO5	Realise a project outcome and review how well the outcome meets the brief
<ul> <li>AO5a</li> </ul>	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; ie 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 hand
  - The marker will consider the quality of a range of similar responses (eg 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 (eg 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:

Lists of types of conservation work that are covered by notifiable works, detail of regulations for example - CDM regs, HSE regs, manual handling, listed building consents etc.

- An understanding of the principles and legislation of building conservation as they would apply to heritage buildings.
- An understanding of the considerations relating to restoration and reinstatement.
- An understanding of the materials and techniques required for heritage projects and the risks and hazards associated with their use.
- Evidence of exploring rates per square metre for repointing.

List of sources or referenced sites/materials.

Location of the project should not have an impact on marking, for example Scottish/Welsh/NI legislation are acceptable.

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band	and 1 descriptor Band 2 descriptor Band 3 descriptor													Sand 3 descriptor AOs (marks)				
Task 1.1	1	2	3	4	5	6	7	8	9	AO1	9								
Research	planne researd order a organis Some Core k referen may be and mo	element nowledg nced but e imbala ore focu ea than	ach to Its lack  s of ge focus nced	of informat organised. The applic is reference example in legislation/ and health considerat Evidence of used and resources consideral skill	ation of Cored consiste relation to regulation, and safety ions.	re knowledge ntly for referencing f sources with different onsistently in	prior to and information of methodic to research gathering. S comprehens including de line with ind	collation - cl	esearch and ear evidence igh approach ion id conducted, sources in rds. in all areas	(2) AO2a (3) AO3 (2) AO4c (2)									

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:

Exploration of notifiable works across different areas of the building project relative to the conservation of heritage buildings, e.g. notification requirements, certification, use of qualified personnel. Identification of common and specific risks to project completion including the complications raised by the protection and preservation of the Georgian features, e.g. sourcing of appropriate materials, methods to use to protect during works and enhance post works completion. Sources that could be used for appropriate materials including, reclaimed/sustainable materials, and their benefits. Potential risks to the Georgian features as part of the development and at various stages.

The requirement to source expert advice and research period features to ensure they are treated sensitively. The importance of keeping the customer/client happy within reasonable parameters.

Use and application of maths measurements, interpretation of plan documents, estimations etc.

Digital skills are considered alongside maths and English skills in the AO4 grid. Appropriate digital skills are dependent on the task requirements and do not necessarily need to include images, charts, diagrams, etc. To achieve top band, Digital techniques must be used effectively to add value.

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1 des	I descriptor Band 2 descriptor Band 3 descriptor				riptor	AOs (marks)	Total marks available
Task 1.2	1	2	3	4	5	6	AO1	6
Report	Evidence of approach to brief, which I structure. Mo elements are distinct from	meeting has some ost required e present and	Evidence of a approach to m which has a clear All required elear present and diseach other.	eeting brief, ear structure. ements are	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 ach other and in	(6)	

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1 descriptor Band 2 descriptor Band 3 descriptor Band 4 d																AO (marks)	Total marks available
Task 1.2	sk 1.2 1 2 3			4	5	6	7	8	9	10	11	12	AO2a	12				
Report	knowled skills dr evidend limited	elements  dge and ( awn on a  ed within  comprehe	Core and a report - ension	knowle skills sp evidend - comp	lements of dge and pecifically ced within rehension dge and	Core y n report n of	from a applied in repo	edge an cross the dand evert in relant element brief.	e Core rident ation to	Core sl consist respon	nowledge kills applicently throus se with notal	ied oughout ninimal	(6) AO2b (6)					
	requirer	on to brie ments. nks to the		show s misund	ave gaps ome lerstandii n to brief		from re	inks app esearch estrated	are	elemer knowle	ctions be nts of Counts odge and exploited to	re Core						
	applicat	ion of Co	re	requirements.			report and are				hen argu							

knowledge and Core skills to support judgements, but reasoning is not always clear and accurate.	Links to the application of Core knowledge and Core skills to justify and support judgements, but with some gaps or inaccuracies in reasoning.	accurate. Judgements are logical with comprehensive lines of reasoning throughout.  Concepts explained/referenced	and demonstrate understanding.  Thorough and detailed links from research are demonstrated in the report and are accurate. Judgements are logical with	
	reasoning.	explained/referenced clearly and correctly.	accurate. Judgements are logical with comprehensive lines of reasoning throughout.	

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1 descriptor	Band 2 descriptor	AO (marks)	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.  Some techniques and/or sources selected from those available to respond to brief requirements.	Techniques and sources used effectively to respond to requirements of the brief.  All available techniques and sources reviewed and compared to ensure those selected most effectively and efficiently meet all aspects of brief requirements.	(2)	

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1 desci	riptor	Band 2 descriptor Band 3 descriptor			AO (marks)	Total marks available	
Task 1.2	1	1 2		4	5	6	AO4a	6
Report	or a less struct	calculations 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 servidence of attlanguage convespelling and graresponse may colloquialisms, incorrect terminal consideration abasic digital opstrengthen response may consideration abasic digital opstrengthen response may colloquialisms, incorrect terminal consideration abasic digital opstrengthen response may consideration abasic digital opstrengthen r	e incorrect or ciently workings shown.  empts to follow entions, ammar — contain jargon or hology etc.  and use of tions to solutions to	checking worki correct results.  English is clear throughout results minimal/no erroused with consend user and inconventions.  All available dig considered and	applied fully ly with of accuracy and ngs to ensure  r and eloquent ponse with ors. Language ideration of ndustry  gital options d applied ne with industry ital techniques	(2) AO4b (2) AO4c (2)	

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

• Report – including sources/references

### **Task 1.3**

### **Indicative content**

# Typical evidence may include:

- A programme of works (this is expected to be a Gantt chart, but could be a bar chart. Not a simple list of tasks or written out in words).
- A list of activities associated with the 'Schedule of Trades' table in the project brief
- The order in which activities will be completed, and their dependencies on aligning with the listed trades.
- Supporting statement considering the typical risks and hazards associated with materials and techniques used and how they will be controlled.

# AO2a/b mark grid guidance:

To achieve mark band 4, the response would be expected to consider all typical risks and hazards associated with materials and techniques used, and how they will be controlled.

For mark band 3, most of these will be considered but some elements may be missing or not fully covered

For mark band 2, at least one hazard/risk should have been covered

For mark band 1, no hazards/risks will have been covered

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1 des	scriptor			Band 3 descripto	or	Band 4 de	scriptor	AO (marks)	Total marks available
Task 1.3	1	2	3 4		5	6	7	8	AO1	8
Project plan	Limited appropriate prescribed pr	ing some of the ments.  ted for the techniques, e.g. contractors), ad materials sposal) to e choices of always ective or for the project brief.	Plan contain elements in order with consideration deadline.  Techniques resources (requipment, contractors) from those are requirement choices may mostly accurately	and/or e.g.  , selected available to the brief ts. The de are trate and for the broject brief.  on of all safety	Clear evidence planning considerate layout.  Selection of techniques resources equipment contractors methods a materials (disposal) a accurate, appropriate supported some justifut o meeting brief.  Considerate health and aspects full	cion of  of s, (e.g. t, s), and (including are e, with fications project  tion of all I safety	Logical and approach to evidence of plan that is industry state effectively pure There is a digustified approach selection of methods an (including digustrate an appropriate prescribed pure Consideration health and saspects fully relevant references impacts, impetc.	plan with a detailed in line with indards and rioritised.  etailed and proach to the resources, is made are independent of the project brief.  on of all safety with erence to	(4) AO3 (2) AO4a (2)	

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band	l 1 des	cripto	or	Band	Band 2 descriptor Band 3 des				3 des	Scriptor Band 4 descriptor					or	AO (marks)	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	knowl skills i project compi knowl relatio	elemer edge ar reference t plan - rehensie edge ar on to bri ements	nd Cor ced wi limite on of nd skil ef	re thin d	knowle highlig refere plan – evider gaps o	ents of 0 edge di ghted in nced w knowle nced m or show derstar	irectly to brief within pedge ay hav	, /e	across applie project to diffe	edge f s the C d and o t plan i erent e ect bri	ore evidei in rela lemer	ation	consist project techn  Connected techn  Connected techn  clement technologies techn	stently of with a ical ina ections ents of	between Core exploited plan is and ing full	nout ies. en	(10) AO2b (6)	

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

- Programme of works
- Supporting statement

### **Task 1.4**

#### Indicative content

# Typical evidence may include:

Coverage of the required elements of the presentation as identified in the task outline:

- Principles and associated legislation of building conservation as they would apply to buildings of this period.
- Risks and hazards of the materials and techniques associated with this heritage project.

Candidates own ideas on challenges as represented within the project specification in relation to their research, experience and own thoughts/suggestions.

# 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	riptor	Band 2 desc	riptor	Band 3 desc	riptor	AO (marks)	Total marks available
Task 1.4	1	2	3 4		5 6		AO1	6
Presentation	The presentation structure and distructure and distructure and district follows a logical to ineffective place presentation is effective. However, information is not complete and a subject of the presentation is effective. The presentation is effective and a subject of the presentation is effective and a subject of the presentation is effective. The presentation is effective and a subject of the presentation is effective and the presentation is effective.	d to deliver the sometimes ever technical not always accurate.  sed may have ad content nclude consistencies not clear to the	and follows a lomost of the time to the task becaute effective planning.  Techniques use the presentation effective. The technique process information process.	ed to deliver n are mostly echnical vided is of the time with l. sed is mostly ninor errors. ovided is in the cally correct ways consider	The presentation structured and approach. It is presentation had considered in the audience as a detailed and efficient planning.  Techniques us the presentation with well justified behind the information provided.  Terminology us and error free provided is clearly understood target audience and approvided to the presentation of the provided is clearly understood target audience and approvided to the provided target audience approvided and approvided target audience approvided and approvided to the presentation of the presentation of the presentation of the presentation approach.	logical in its clear that the as been erms of its result of fective ed to deliver an are effective ed reasoning rmation sed is accurate The content ar, correct and bod by the	(2) AO3 (2) AO4b (2)	

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band	1 desc	riptor		Band 2 descriptor				Band 3 descriptor				AO (marks)	Total marks available
Task 1.4	1	2	3	4	5	6	7	8	9	10	11	12	AO2a	12
Presentation	Theories and concepts relating to the Core knowledge and Core skills conveyed through the presentation - these may not always be accurate or be directly linked to the brief requirements.  Communication of concepts and theories is sometimes effective. The delivery of technical information may lack accuracy and clarity for the audience.				relating knowle cohere presen require Conce commumost of appropriate and deliver causes	Theories and concepts relating to the Core knowledge and Core skills are coherent throughout the presentation to meet the requirements of the brief set.  Concepts and theories are communicated effectively most of the time in an appropriate manner for the target audience. There are minor inaccuracies in the delivery of information which causes a lack of clarity in some instances.			relating knowled cohere justification applied brief research Highly community and the tarkinforms.	g to the 0 edge and ent with 0 eations or d in resp equirement effective unication eories is get audication is p tely and	I Core slocker h how the onse to ent.	ese are the eepts riate for echnical d	(6) AO2b (6)	

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

- Presentation materials e.g. slides, handouts
- Video recording of presentation
- Observation record

#### **Task 2.1**

### **Indicative content**

Typical evidence may include:

Provide potential options for retrofitting heritage buildings in terms of air tightness and insulation. To discuss what measures might be taken that might make the building more thermally efficient without being too invasive to the building structure.

Removal and reinstatement of internal surfaces to enable insertion of insulation materials, allowing for reinstatement of existing materials to protect the integrity of the building.

General communication and problem solving - 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.

Email will consider suggestions as to how the development could proceed, justifying reason(s). It will consider potential risks there may be with the suggestions made. It may also include additional information the candidate would like to find out in order to be able to progress further.

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band	l 1 des	cripto	r	Band 2 descriptor				Band 3 descriptor					AO (marks)	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 disconding to disconding to disconding the seconding to disconding the structure of the	nce cor ure, flo meets sk. It is sed me	althou ure of a ward m cal acco nit prog ion skil ppriate with ot pacting ntent la w and i the iss not cle	argume lay lack luracy a lress of ls were and wo lor levels hers we lon pro cks s limite lear that	/ lack nt. Cond on the not ould sof as ogress d in sed in the	the tas propose were in technic through progre but no  Commapprof of the discuss contril progre engag genera  Eviden flows issues Propo way to in the	sk to di sed in se relevant cally controlless in the ess in the priate a time was some contions ess in the gement ally correct and more sed me of address task ar	scussices of the solving of the task of the task of the solving ion skill and are ith a with a with other task of the task of	time so was my.  Is are clear noth upports. Levels hers was through structured dresses task.  will go so some	thods ue ught ade nost ss to er's hout. red, s the some sues	discuss through Contri solving method through was a effecti being Comm developrobin the grodetails progree engagindical lead the measure Evider flows issues Propoladdres	sions was the product of the product	s and re roblem and we echnically itimely itimely itimely itimely itimely itimely itimely itime task are highwanting out but ay.	igh s of the espons were le ll thoug al inforr ting in progre lls are v ir. Asks if others is about s effect c. Level gh with g to tak in a structu ddresse task for es are	es to ogical, the mation ss vell s in tive s of an e the	(6) AO2b (5) AO3 (2) AO5a (2)	

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

- Written discussion notes
- Draft email
- Video recording of discussion
- Observation record (notes on contributions to discussions)

# **Task 2.2**

# **Indicative content**

# Typical evidence may include:

A reflective account to include: weaknesses, strengths, areas for improvement, what they would do better next time, how well the assessment went in terms of meeting the brief.

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 (marks)	Total marks available
Task 2.2	1	2	3	4	5	6	7	8	AO4b	8
Evaluation	and reason places.  There is la on how the	address ne project net the acks clarity ning in  ck of detail e project nked to the nts of the	The evalual addresses the project was achieved is some real justification effectively the was met.  Detail provide how the production outcome limits requirement brief with seexplanation reasons.	how well outcome ed. There ason and in how the brief ded on oject aked to the ats of the	The evaluation comprehensing specifically at how well the outcome was a there is detail reasoning be successfully brief was me.  Detail provide the project of linked to the of the brief was explanations explained reasoning be successfully brief was me.	ve and ddresses project s achieved. iiled thind how the project t. ed on how utcome requirements ith detailed and	The evaluation comprehensing specifically and how well the outcome met requirements. There is detained as successfully brief was measuccessful and the quality are effectiveness outcome.	ve and ddresses project the of the brief. illed hind how the project t, what was nd why.  made are reflective of	(4) AO5b (4)	

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

Evaluation account



### Get in touch

City & Guilds Technicals Quality Team

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

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