

T Level Technical Qualification in Agriculture, Land Management and Production: Land-based Engineering (8717-32)

**8717-036 Core: Employer-Set Project
Marking Grids
Summer 2024**



Document Version Control Table

Version and date	Change detail	Section	Question
V1.0 August 2024			

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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 candidates' submitted evidence (including additional supporting evidence such as videos of presentations etc.).

Guidance

Markers of this assessment should note:

- that candidate evidence must be marked based on what has been submitted. This means that if candidate evidence is not complete, marks will **only** be based on what has been submitted.
- that the marking grids follow two slightly different approaches:
 - some of the task-based marking grids focus on a single, targeted assessment objective. For these mark grids, the band descriptors have been written in direct response to the individual assessment objective. Markers will consider all of the descriptor statements presented in each marking band as a whole, in order to determine how the candidate has evidenced demonstration of the assessment objective within the specific task.
 - some of the task-based marking grids incorporate coverage of multiple assessment objectives. This has been done where there is clear alignment between the objectives in the task and aims to support markers to bring together and assess the available evidence. For these mark grids, the assessment objectives being assessed have been incorporated into the band descriptors, so ***in the same way as above***, markers should focus on how the evidence demonstrated reflects the collective descriptor statements in each band, which should be read as a whole to form an overall judgement.
- regardless of which of the above two approaches that the marking grids take, as the band descriptors incorporate the assessment objectives that each is intending to assess, markers should follow the guidance on marking without any specific need to consider the assessment objectives – ie considering the evidence and marks available as a whole and basing their judgement on the quality of response and how it meets the overall band descriptors (see Process below).
- that if candidates 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 a candidate identifies less than optimal service plans for the machinery or equipment in Task 2, when they get to the evaluation Task 5 where their reflection is presented, the marker should focus on looking at how well the candidate evaluates the service plan they are proposing, ie it is the evaluation and communication skills that should be the key focus of the assessment of the task, rather than further penalising the candidate for carrying forward a less than optimal service plan from Task 2.

Process

- Marker scans/reads the candidate's evidence, 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; if 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.
 - 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 from 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 (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 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 service plan requirements in Task 1, when they get to the planning in Task 3, the marker should focus on looking at how well the candidate plans the implementation of the solution they are proposing, ie it is the project planning skills that hold the main relevance in this task, rather than further penalising the candidate for less than suitable service plan research and proposal from the Task 2.
- 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:
<ul style="list-style-type: none"> • AO2a • AO2b 	<ul style="list-style-type: none"> • core knowledge • core skills <p>Analysing – Qualitative and quantitative data and information and identifying common features, organising into types, discerning patterns, deconstructing, classifying, ordering, eg identifying common features of data obtained on options to develop a new product or service, classifying and organising data into types, discerning patterns.</p> <p>Communicating – Using a range of communication methods tailored to the audience with different audiences through reading, writing, listening and speaking through the use of visual, oral and written methods, demonstrating active listening, building a rapport, engaging an audience, adapting style and tone to audience needs and nature of the message, eg using visual and oral methods to engage an audience with proposal for improving representation and diversity in the sector.</p> <p>Critical thinking – In relation to problem solving, decision making, researching and planning to include questioning, evaluating pros and cons, using logic and reasoned argument, synthesising, concluding, eg questioning information and data, evaluating pros and cons of the introduction of new machinery or plant into a business, taking out of the whole life cycle.</p> <p>Decision making – In work related contexts including clarifying logical choices, identifying likely impact, using evidence and advice, justifying, substantiating, concluding, eg identifying likely impact if biosecurity plan in the business and using evidence to substantiate conclusions.</p> <p>Investigating – To obtain information and data including identifying potential sources, developing search criteria/queries, interrogating data, designing and carrying out tests, eg developing search criteria/queries for secondary research and designing and carrying out tests for primary research into the environmental impact of a business.</p>

AO Ref	Assessment Objective
	Working in a team – To provide mutual support, open communication, respect and honesty, developing new ideas and interpretations, providing support, advice and guidance, reflecting, inviting and providing feedback on own and other's performances.
AO3	Select relevant techniques and resources to meet the brief.
AO4	Use maths, English and digital skills as appropriate:
• AO4a	• maths
• AO4b	• English
• AO4c	• digital
AO5	Realise a project outcome and review how well the outcome meets the brief:
• AO5a	• realise a project outcome – was the right outcome achieved?
• AO5b	• review how well the outcome meets the brief, how well was the brief met and 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	AO1	AO2a	AO2b	AO3	AO5a	AO5b	Total	AO4a	AO4b	AO4c	
1. Research	3	0	6	3	0	0	12	0	0	0	
2. Report	3	9	9	6	0	0	27	3	0	0	
3. Plan	6	6	6	3	0	0	21	0	3	0	
4. Peer review	0	0	0	0	0	0	0	0	0	0	
5. Evaluate and present	0	3	6	0	6	6	21	0	0	3	
Total	12	18	27	12	6	6	81	3	3	3	90
AO marks	12	45		12	12		-	9		90	
AO %	13.3%*	50%		13.3%*	13.3%*		-	10%		100%*	

NB – AO2 collectively must be at least 50% (ie 45 marks)

* Total of AO1, AO3, and AO5 weighting rounded to nearest whole number.

1. Research

Indicative Content

Typical evidence may include:

Core skills

- Action plan for research which highlights a planned approach to collating research from appropriate topics in order to gather research on environmental impacts of the service requirements of the machinery and equipment, environmental impact and warranty implications with associated costs, including search terms/criteria/high-level areas in line with the project brief.
- Action plan highlights reputable sources of information (eg government websites, manufacturers and businesses which cover the land-based engineering sector).
- Appropriate research which may include:
 - the makes and models to meet the brief, such as the correct size of tractor and model of golf utility vehicle in order to effectively gather information that can be used to plan the best approach to the requirements of a service plan.
 - proposed service information and data for each piece of machinery – this could be from a Workshop Manual, Operator Handbook, or similar document requirement and that is appropriate for the machinery and equipment in line with the information provided in the project brief.
 - investigation and selection of a list of service requirements for the machinery and equipment (eg parts and consumables required for servicing).
 - the frequency of servicing for the machinery and equipment.
 - the time it takes for the service activities to be completed.
 - equipment and tools required for specific machinery and equipment.
- Relevant documentation to inform service procedures (electronic or printed):
 - documentation may not be available to download, so the candidate can make notes of service procedures and requirements.
 - examples of documentation:
 - Workshop Manual
 - Operator Manual
 - Parts lists/books
 - Service checklist

- Warranty document – explain what is covered by the warranty, what would invalidate the warranty (eg brand of serviceable parts).
- Consideration of commercial viability of parts, consumables, resource and labour requirements and how these link to the cost-effectiveness, running and impact on County Golf Course Club.
- Consideration for the different budget management requirements including reference to implementation of the servicing, labour needs, as well as the day-to-day running of the servicing.
- Research into the legislation, health and safety, biosecurity, sustainability and environmental impacts relating to the servicing.
- Labour requirements based on information provided in the brief and through conducting research.
- Research methods that have been applied in order to conduct effective research.
- Logical action plan for the collation of research, including sourcing the relevant and most useful information to support response to the brief.
- Appropriate research undertaken into the service requirements of the machinery and equipment using effective and appropriate research methods:
 - reliable websites (ie credible sources such as websites of government agencies/industry bodies etc.)
 - range of sources used (not relying on limited or single sources of information)
 - avoiding sources which may be biased (eg selling products).
- List of references for research collated.
- Application of core skills to plan and conduct the research in order to produce research notes which document findings and to support with critical thinking and decision-making for the servicing requirements required by the business in line with the project brief.
- Use of appropriate terminology.

Guidance for markers

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

- Task 1 – Research Action Plan
- Task 1 – Research notes
- Task 1 – List of references

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		AOs (marks)	Total marks available	
Task 1	1	2	3	4	5	6	AO1	6	
Research	Marking descriptors – All versions							AO3	
AO1 Plan their approach to meeting the project brief	Basic planning of the approach to research and information gathering, with minimal consideration of action plan requirements. The range of topics/criteria considered has limited relevance to the context of the brief. (AO1)		Good planning of the approach to research and information gathering, with moderate consideration of action plan requirements. The range of topics/criteria considered has good relevance to the context of the brief. (AO1)		Excellent planning of the approach to research and information gathering, with thorough consideration of action plan requirements. The range of topics/criteria considered has excellent relevance to the context of the brief. (AO1)				
AO3 Select relevant techniques and resources to meet the brief	Limited consideration of brief requirements is evident in the techniques/resources used to carry out the research, resulting in a limited range of relevant information being gathered. (AO3)		Good consideration of brief requirements is evident in the techniques/resources used to carry out the research, resulting in a good range of relevant information being gathered. (AO3)		Thorough consideration of brief requirements is evident in the techniques/resources used to carry out the research, resulting in a comprehensive range of relevant information being gathered. (AO3)				

	Band 1 descriptor		Band 2 descriptor		Band 3 descriptor		AOs (marks)	Total marks available	
Task 1	1	2	3	4	5	6	AO2b	6	
Research	Marking descriptors – All versions								
AO2b Core skills <ul style="list-style-type: none"> Analysing Critical thinking Investigating 	<p>Basic application of critical thinking and analysis in evaluating the project brief, context and task requirements, which is utilised to limited effect, to inform the research. Resulting in research action plan and notes with minimal connections to the context of the brief. (AO2b Analysing and Critical thinking)</p> <p>Basic application of investigation skills to identify some relevant/accurate sources and develop a limited range of search criteria/queries, generating information with minimal links and relevance to the context of the brief. Limited interrogation of research findings to ensure information</p>	<p>Good application of critical thinking and analysis in the evaluating the project brief, context and task requirements, which is mostly utilised effectively to inform the research. Resulting in research action plan and notes with good connections to the context of the brief. (AO2b Analysing and Critical thinking)</p> <p>Good application of investigation skills to identify mostly relevant/accurate sources and develop a good range of search criteria/queries, generating information with good links and relevance to the context of the brief. Good interrogation of research findings to ensure information</p>	<p>Comprehensive application of critical thinking and analysis in evaluating the project brief, context and task requirements, which is consistently utilised effectively to inform the research. Resulting in research action plan and notes with excellent connections to the context of the brief. (AO2b Analysing and Critical thinking)</p> <p>Excellent application of investigation skills used to identify highly relevant/accurate sources and develop comprehensive range of search criteria/queries, generating information with thorough links and relevance to the context of the brief. Excellent interrogation of research findings to ensure information</p>						

	collated links to the context of the brief. (AO2b Investigating)	collated links to the context of the brief. (AO2b Investigating)	collated links to the context of the brief. (AO2b Investigating)		
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2. Report

Indicative Content

Typical evidence may include:

Core Knowledge

- Research findings from Task 1 are analysed in a written report with the audience of the service manager in mind.
- Considerations/reflections based on current legislation, health and safety, biosecurity should be made to analyse how they apply to servicing this machinery and equipment.
- Consideration of how sustainability (benefits and implications of waste management) and environmental impact can be managed.
- Consideration of the impacts on the resources and staffing at Guilds Machinery Company for the service requirements for the turf machinery and equipment.
- Consideration for a range of service requirements clearly detailed within the written report, applying core knowledge to provide justifications on suitability in line with the requirements of the project brief.
- Consideration of any financial impacts for Guilds Machinery Company in servicing all types of machinery and equipment.
- Considerations for own and employer responsibilities with regards to key legislation relating to health, safety and welfare aspects (eg Health and Safety at Work Act 1974, Road Traffic Act 1988, Management of Health and Safety at Work Regulations, Workplace Health Safety and Welfare Regulations, Reporting of Injuries, Diseases and Dangerous Occurrences Regulations (RIDDOR)), biosecurity (eg Contamination and disease risk control measures, including control of visitors and staff, isolation of products, cleansing vehicles and machinery). Sustainability and environmental impact for the servicing, drawing on core knowledge to detail how these may impact the project so this can be taken into account within approach to planning (eg key requirements of environmental legislation, regulations, codes of practice, duty of care (Environmental Protection Act: Section 34) and organisational policies and how they are applied to land-based engineering operations). Purpose of environmental legislation within the land-based engineering industry.

Core Skills

- Collate information acquired from research in order to make justifications of the service requirements that are identified in line with the requirements of the project brief.
- Provide relevant recommendations on resources and staffing for Guilds Machinery Company.
- Application of core skills (Analysing, Communication, Critical thinking, Decision making, Investigating) to produce a written report which details and justifies the service requirements in line with the project brief, as well as consideration for the impact of decisions made.

- Appropriate use of correct terminology.

Guidance for markers

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

- Task 2 – Written report

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			AOs	Total marks available
Task 2	1	2	3	4	5	6	7	8	9	AO1 AO3	9
<p>Report AO1 Plan their approach to meeting the project brief</p> <p>AO3 Select relevant techniques and resources to meet the brief</p>	<p>Limited evidence of a planned approach resulting in a report that lacks structure and minimal connections with the brief/task requirements. (AO1)</p> <p>Techniques/resources for the solution are selected based on a basic analysis of the brief/task requirements, associated impacts of choices made are minimally effective and appropriate/relevant. (AO3)</p>			<p>Good evidence of a planned approach resulting in a report that has good structure and moderate connections with the brief/task requirements. (AO1)</p> <p>Techniques/resources for the solution are selected based on good analysis of the brief/task requirements, associated impacts of choices made are mostly effective and appropriate/relevant. (AO3)</p>			<p>Thorough evidence of a planned approach resulting in a report that has excellent structure and comprehensive connections with the brief/task requirements. (AO1)</p> <p>Techniques/resources for the solution are selected based on thorough analysis of the brief/task requirements, associated impacts of choices made are highly effective and appropriate/relevant. (AO3)</p>				

	Band 1 descriptor			Band 2 descriptor			Band 3 descriptor			AOs	Total marks available
Task 2	1	2	3	4	5	6	7	8	9	AO2a	9
Report AO2a Core knowledge	<p>Limited application of core knowledge throughout the report, minimal depth and breadth of core knowledge applied to make relevant links to the requirements of the brief.</p> <p>Limited application of core knowledge to justify proposed decisions/solutions. Links are limited in detail/range and lack relevance to the requirements of the brief.</p> <p>Limited application of core knowledge and research findings, resulting in minimally clear/accurate links to substantiate and support justifications throughout the report.</p>			<p>Good application of core knowledge throughout the report, moderate depth and breadth of core knowledge applied to make relevant links to the requirements of the brief.</p> <p>Good application of core knowledge to justify proposed decisions/solutions. Links contain good detail/range and are mostly relevant to the requirements of the brief.</p> <p>Good application of core knowledge and research findings, resulting in mostly clear/accurate links to substantiate and support justifications throughout the report.</p>			<p>Excellent application of core knowledge throughout the report, extensive depth and breadth of core knowledge applied to make relevant links to the requirements of the brief.</p> <p>Excellent application of core knowledge to justify proposed decisions/solutions. Links contain comprehensive detail/range and are highly relevant to the requirements of the brief.</p> <p>Comprehensive application of core knowledge and research findings, resulting in consistently clear/accurate links to substantiate and support justifications throughout the report.</p>				

	Band 1 descriptor			Band 2 descriptor			Band 3 descriptor			AOs	Total marks available
Task 2	1	2	3	4	5	6	7	8	9	AO2b	9
Report AO2b Core skills: Analysing Communication Critical thinking Decision making Investigating	<p>Basic analysis and application of critical thinking, used with limited success to inform decisions. Conclusions are justified/supported with limited use of logic and reasoning to make connections with the requirements of the brief. (AO2b Analysis, Critical thinking, Decision making)</p> <p>Basic application of communication skills, with limited consideration of audience for the report. Communication is minimally effective in presenting details of the approach to the brief requirements. (AO2b Communication)</p> <p>Limited interrogation of the information/data from the research is attempted, but sometimes ineffectively to ensure</p>			<p>Good analysis and application of critical thinking which is mostly used successfully to inform decisions. Conclusions are justified/supported with good use of logic and reasoning to make connections with the requirements of the brief. (AO2b Analysis, Critical thinking, Decision making)</p> <p>Good application of communication skills, with audience for the report mostly considered throughout. Communication is mostly effective in presenting details of the approach to the brief requirements. (AO2b Communication)</p> <p>Good interrogation of the information/data from the research is used reasonably effectively to ensure decisions/conclusions are</p>			<p>Comprehensive analysis and application of critical thinking which is consistently used successfully to inform decisions. Conclusions are justified/supported with excellent use of logic and reasoning to make connections with the requirements of the brief. (AO2b Analysis, Critical thinking, Decision making)</p> <p>Excellent application of communication skills, with audience for the report thoroughly considered throughout. Communication is consistently effective in presenting details of the approach to the brief requirements. (AO2b Communication)</p> <p>Comprehensive interrogation of the information/data from the research is used highly effectively to ensure decisions/conclusions are linked to the context of the brief.</p>				

	Band 1 descriptor	Band 2 descriptor	Band 3 descriptor	AOs	Total marks available
	decisions/conclusions are linked to the context of the brief. (AO2b Investigating)	linked to the context of the brief. (AO2b Investigating)	(AO2b Investigating)		

3. Plan

Indicative content

Typical evidence may include:

Core Knowledge

- The tasks required to implement the recommended service plan for the business, with consideration for a logical order of tasks/process for both effective implementation and running of the plan for the business.
- The project plan gives consideration of service activities over a two-year period, drawing on core knowledge to detail an appropriate timetable of service activities and how these activities may be scheduled in an effective way using available resources (eg staff) in line with the project brief.
- Consideration of requirements of staff responsibilities and who will be involved with each process and when, and any amendments to work practices and staff hours. Instructions to staff on changes to ways of working, taking into account health and safety of staff for successful implementation and running of the service plan (eg hours worked, safe working environment, providing staff with clear instructions/training within the plan for new ways of working).
- The service plan shows details of processes required within the running/managing of the machinery and equipment, durations of each process/task that need to be completed, resources, links between tasks where there are dependencies/independent activities.
- Consideration of resource and labour requirements detailed within the plan that will contribute to the implementation and running of the recommended service plan.
- Core knowledge is drawn upon to justify detail of the service plan within the supporting statement, explaining why the approach to management for the machinery and equipment is the most effective in line with successfully meeting the project brief.
- Consideration given to supply chains (eg availability of resources required and/or markets and outlets for the produce), organisation and products involved (eg manufacturers, suppliers, distributors, customers and land-based machinery and equipment, parts, fuels, oils, chemicals, coolants, gases).
- Consideration given to health and safety, job roles and responsibilities and cost implications.

Core Skills

- Use of technical terminology.
- Application of core skills (Analysing, Communicating, Critical thinking, Decision making) to plan and produce a service plan for the machinery and equipment.

- Evidence of collation of appropriate activities and logic in the sequence in which they are presented.
- Management of time to create an appropriate plan which effectively uses resources to ensure the service plan can be managed and run successfully.
- Analysis of financial impacts required for the service plan are detailed and collated into profitability which covers the next two years.
- Accuracy and attention to detail in the service plan and when considering costings and financial impacts which cover the next two years.

Guidance for markers

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

- Task 3 – Service plan
- Task 3 – Supporting statement

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			AOs (marks)	Total marks available
	1	2	3	4	5	6	7	8	9		
Task 3										AO1 AO3	9
Plan	Marking descriptors – All versions										
<p>AO1 Plan their approach to meeting the project brief</p> <p>AO3 Select relevant techniques and resources to meet the brief</p>	<p>Limited evidence of a planned approach, plan has basic consideration of the task requirements and the context of the brief. (AO1)</p> <p>Techniques/resources for the implementation of the solution are selected based on limited analysis, resulting in minimal relevance to the brief requirements. Selection of techniques/resources have limited effectiveness and appropriateness for the proposed plan. (AO3)</p>	<p>Good evidence of a planned approach, plan has good consideration of the task requirements and the context of the brief. (AO1)</p> <p>Techniques/resources for the implementation of the plan are selected based on good analysis, resulting in moderate relevance to the brief requirements. Selection of techniques/resources are mostly effective and appropriate for the proposed plan. (AO3)</p>	<p>Excellent evidence of a planned approach, plan has thorough consideration of the task requirements and the context of the brief. (AO1)</p> <p>Techniques/resources for the implementation of the plan are selected based on thorough analysis, resulting in excellent relevance to the brief requirements. Selection of techniques/resources are consistently effective and appropriate for the proposed plan. (AO3)</p>								

	Band 1 descriptor		Band 2 descriptor		Band 3 descriptor		AO (marks)	Total marks available	
Task 3	1	2	3	4	5	6	AO2a	6	
Plan	Marking descriptors – All versions								
AO2a Apply core knowledge	<p>Limited application of core knowledge throughout the plan, resulting in minimal consideration of the task requirements to implement the proposed plan.</p> <p>Application of core knowledge is minimal in depth and range when justifying decisions for the implementation of the plan, resulting in limited technical accuracy and basic links to the requirements of the brief to support decisions.</p>	<p>Good application of core knowledge throughout the plan, resulting in moderate consideration of the task requirements to implement the proposed plan.</p> <p>Application of core knowledge is moderate in depth and range when justifying decisions for the implementation of the plan, resulting in mostly technical accuracy and good links to the requirements of the brief to support decisions.</p>	<p>Excellent application of core knowledge throughout the plan, resulting in thorough consideration of the task requirements to implement the proposed plan.</p> <p>Application of core knowledge is extensive in depth and range when justifying decisions for the implementation of the plan, resulting in excellent technical accuracy and comprehensive links to the requirements of the brief to support decisions.</p>						

	Band 1 descriptor		Band 2 descriptor		Band 3 descriptor		AO (marks)	Total marks available	
Task 3	1	2	3	4	5	6	AO2b	6	
Plan	Marking descriptors – All versions								
AO2b Apply core skills	Basic analysis and application of critical thinking, used with limited success to inform decision making, resulting in a plan with minimal clarity and consideration of task requirements. Conclusions are justified/supported with limited use of logic and reasoning to make connections with the context of the brief. (AO2b Analysis, Critical thinking, Decision making)		Good analysis and application of critical thinking, which is mostly used successfully to inform decision making, resulting in a plan which has moderate clarity and consideration of task requirements. Conclusions are justified/supported with good use of logic and reasoning to make connections with the context of the brief. (AO2b Analysis, Critical thinking, Decision making)		Comprehensive analysis and application of critical thinking, which is consistently used successfully to inform decision making, resulting in a plan which has excellent clarity and consideration of task requirements. Conclusions are justified/supported with thorough use of logic and reasoning to make connections with the context of the brief. (AO2b Analysis, Critical thinking, Decision making)				
Analysing	Basic application of communication skills, with limited consideration of audience. Communication may be unclear , limiting its effectiveness in presenting details of the approach to meet the requirements of the brief. (AO2b Communication)		Good application of communication skills, with audience mostly considered throughout. Communication is mostly clear and effective in presenting details of the approach to meet the requirements of the brief. (AO2b Communication)		Excellent application of communication skills, with audience thoroughly considered throughout. Communication is consistently clear and effective in presenting details of the approach to meet the requirements of the brief. (AO2b Communication)				
Communicating									
Critical thinking									
Decision making									

5. Evaluate and present

Indicative content

Typical evidence may include:

Core Knowledge

- Clarity of explanation of how the candidate's recommended service plan addresses the requirements of the project brief, including any features considered by the candidate to be of particular importance.
- Application of core knowledge in order to effectively evaluate how well the service plan met the requirements of the project brief and can be used to support the service plan implementation.
- Peer feedback is used to reflect and evaluate the feasibility and suggestions for improvement of the service plan.
- Where elements of feedback from peers is not considered, the reasons for this are explained and justified.
- Justification of any improvements or adaptations to the service plan in line with the requirements of the project brief.
- Where improvements or amendments are not considered, the reasons for this are explained and justified.
- Reflection on any challenges presented when considering the service plan that Guilds Machinery Company could implement.
- Responses to follow-up questions demonstrating reflection on their proposed solution and feedback received.

Core Skills

- Application of core skills to successfully evaluate the selected service plan in line with the requirements of the project brief clearly and concisely, successfully presenting all necessary information.
- Analysis and reflection of the service plan as well as analysis of the feedback gained from peers.
- Effectively evaluate own project against requirements outlined in the brief and to determine quality of outcome against project aim, ie whether the chosen service plan is an effective solution for the project, whether the produced service plan is effective at supporting success of the enterprise over time.
- Ability to be able to reflect on own experience and articulate any improvements or adaptations required to the service plan in line with the requirements of the project brief.
- Project evaluation uses technical terminology within the presentation.
- Questions after the presentation are answered clearly, drawing on core knowledge and skills to justify and explain decisions and evaluate where improvements can be made for next time.

Guidance for markers

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

- Task 4 – Peer Review Form
- Task 4 – Candidate Feedback Form
- Task 5 – Presentation materials
- Task 5 – Video recording of presentation, and question and answers

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			AOs (marks)	Total marks available
Task 5	1	2	3	4	5	6	7	8	9	AO2a AO2b	9
Evaluate	Marking descriptors – All versions										
AO2a Apply core knowledge	Basic application and minimal referencing of core knowledge within evaluation. Links to core knowledge to support reasoning/justifications have limited clarity and technical accuracy. (AO2a)			Good application and moderate referencing of core knowledge within evaluation. Links to core knowledge to support reasoning/justifications are mostly clear and technically accurate. (AO2a)			Excellent application and comprehensive referencing of core knowledge within evaluation. Links to core knowledge to support reasoning/justifications are consistently clear and technically accurate. (AO2a)				
AO2b Apply core skills Analysing Communication Critical thinking Decision making Working in a team	Basic analysis and application of critical thinking to inform evaluation of the project outcome. Conclusions are justified/supported with limited use of logic and reasoning to make connections with brief requirements. (AO2b Analysis, Critical thinking, Decision making)			Good analysis and application of critical thinking to inform evaluation of the project outcome. Conclusions are justified/supported with good use of logic and reasoning to make connections with brief requirements. (AO2b Analysis, Critical thinking, Decision making)			Excellent analysis and application of critical thinking to inform evaluation of the project outcome. Conclusions are justified/supported with thorough use of logic and reasoning to make connections with brief requirements. (AO2b Analysis, Critical thinking, Decision making)				
	Basic application of communication skills, with minimal consideration of the audience for the presentation.			Good application of communication skills, with moderate consideration of the audience for the			Excellent application of communication skills, with thorough consideration of the audience for the presentation. Communication is consistently				

	Band 1 descriptor	Band 2 descriptor	Band 3 descriptor	AOs (marks)	Total marks available
	<p>Communication, at times, may be unclear, limiting its effectiveness in presenting the evaluation of the project. (AO2b Communication)</p> <p>Limited consideration and reflection of feedback provided by peers when considering how the project outcome meets the requirements of the brief. Minimal reference to feedback within evaluation. (AO2b Working in a team)</p>	<p>presentation. Communication is mostly clear and effective in presenting the evaluation of the project. (AO2b Communication)</p> <p>Good consideration and reflection of feedback provided by peers when considering how the project outcome meets the requirements of the brief. Moderate reference to feedback within evaluation. (AO2b Working in a team)</p>	<p>clear and effective in presenting the evaluation of the project. (AO2b Communication)</p> <p>Comprehensive consideration and reflection of feedback provided by peers, when considering how the project outcome meets the requirements of the brief. Extensive reference to feedback within evaluation. (AO2b Working in a team)</p>		

	Band 1 descriptor				Band 2 descriptor				Band 3 descriptor				AOs (marks)	Total marks available
Task 5	1	2	3	4	5	6	7	8	9	10	11	12	AO5a AO5b	12
Evaluate	Marking descriptors – All versions													
AO5a Realise a project outcome	Basic level of reflection is evidenced within the evaluation, with minimally effective links to how well the project outcome achieves the brief requirements. (AO5a)				Good level of reflection is evidenced within the evaluation, with moderately effective links to how well the project outcome achieves the brief requirements. (AO5a)				Comprehensive level of reflection is evidenced within the evaluation, with highly effective links to how well the project outcome achieves the brief requirements. (AO5a)					
AO5b Review how well the outcome meets the brief.	Basic evaluation of the project and how the outcome meets the brief requirements, conclusions lack logical lines of reasoning between decisions made and the success of the project as a whole. (AO5b)				Good evaluation of the project and how the outcome meets the brief requirements, conclusions have mostly logical lines of reasoning between decisions made and the success of the project as a whole. (AO5b)				Excellent evaluation of the project and how the outcome meets the brief requirements, conclusions have highly logical lines of reasoning between decisions made and the success of the project as a whole. (AO5b)					

Maths, English and Digital skills (AO4)

Maths

Indicative content

Typical evidence may include:

- Financial impacts for the service requirements including costs for tools, resources, parts and labour requirements.

Guidance for markers

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

- Task 2 Written report

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	AOs (marks)	Total marks available
Task 2	1	2	3	AO4a	3
AO4a Maths	Marking descriptors – All versions				
	<p>Minimally appropriate mathematical approaches/concepts/calculations are selected for the task.</p> <p>Mathematical approaches/concepts/calculations are applied with limited accuracy.</p>	<p>Mostly appropriate mathematical approaches/concepts/calculations are selected for the task.</p> <p>Mathematical approaches/concepts/calculations are mostly applied accurately.</p>	<p>Highly appropriate mathematical approaches/concepts/calculations are selected for the task.</p> <p>Mathematical approaches/concepts/calculations are consistently applied accurately.</p>		

English

Indicative content

Typical evidence may include:

- Use of appropriate and accurate English.
- Use of terminology within written evidence which is technical and consistent with the intended audience (service manager).
- Use of English including grammar, spelling and punctuation within the implementation plan and supporting statement.

Guidance for markers

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

- Task 3 – Plan
- Task 3 – Supporting statement

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	AOs (marks)	Total marks available
Task 3	1	2	3	AO4b	3
AO4b English	Marking descriptors – All versions				
	Evidence within task responses has minimal structure to support understanding, language and terminology is minimally appropriate and accurate. Communication methods are somewhat appropriate for intended audience.	Evidence within task responses has good structure to support understanding, language and terminology is moderately appropriate and accurate. Communication methods are mostly appropriate for intended audience.	Evidence within task responses has excellent structure to support understanding, language and terminology used is highly appropriate and accurate. Communication methods are highly appropriate for intended audience.		

Digital

Indicative content

Typical evidence may include:

- Use of appropriate digital resources to meet task requirements for the presentation.
- Use of features available within digital resources where appropriate (eg formatting, layout, presentation modes, animations/transitions in presentation, application of software package features).
- The range of digital options used, the extent to which they have been used to add value and their effectiveness of use.
- Use of current digital techniques, resources and sources in adherence with industry practice and convention.
- The use of digital software in creating the presentation.

Guidance for markers

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

- Task 5 – Presentation

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	AOs (marks)	Total marks available
Task 5	1	2	3	AO4c	3
AO4c Digital	Marking descriptors – All versions				
	<p>Basic digital technology skills are used to create digital resources, which provides clarity to the information presented, with limited effectiveness.</p> <p>Basic use of technology to enhance the quality of the digital resources.</p>	<p>Good digital technology skills are used to create digital resources, which provides clarity to the information presented, mostly effectively.</p> <p>Good use of technology to enhance the quality of the digital resources.</p>	<p>Excellent digital technology skills are used to create digital resources, which optimises the clarity of the information presented, highly effectively.</p> <p>Excellent use of technology to enhance the quality of the digital resources.</p>		

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