



Construction Site Engineering Technician Apprenticeship - Level 4

End Point Assessment guidance

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Gateway

- Proof that Level 2 qualifications in both maths and English have been achieved (copies of certificates or Individual Learner Record must be provided)
- Evidence from your training provider confirming completion of the Construction Site Engineering Technician Apprenticeship (including completion of a level 4 qualification in Construction and the Built Environment)
- Satisfactory completion of the knowledge, skills and behaviours as set out in the apprenticeship standard
- Employer confirmation and request for EPA

Application

- You (the apprentice) submit the EPA application and supporting evidence.
- If you are also requesting professional registration as an Engineering Technician you will also need to have your application supported by two sponsors and provide information regarding your CPD

Project Brief and Report

- The ICE checks application and issues the technical project brief
- You prepare and submit a written report of 1500-1600 words which demonstrates how, in the course of your apprenticeship, you integrated the knowledge, skills and behaviours needed to be a competent Construction Site Engineering Technician.
- The written report must be verified by a professionally qualified engineer (at IEng or CEng level)

Review of report

- Two trained and qualified assessors review the written report and assess it against all of the knowledge, skills and behaviours listed in the apprenticeship standard; record their findings on the Assessment Form against the relevant knowledge, skill and behaviours; and agree areas that need to be explored further as part of the interview

Presentation

- You make a 10 minute presentation to your assessors on your response to the technical project brief. This will be followed by 10-15 minutes of questions and discussion

Interview

- This is followed by a 30-40 minute structured interview informed by the written report. The purpose of the interview is for the assessors to be confident that you have acquired and can use the knowledge, skills and behaviours needed to be a competent Construction Site Engineering Technician

Decision

- The assessors submit the completed assessment form along with a recommendation as to whether or not you have successfully passed the EPA and satisfied the requirements for registration as an Engineering Technician (EngTech) and ICE member (MICE) if applicable.

Introduction

This document provides detailed guidance for the End Point Assessment (EPA) for the [level 4 Construction Site Engineering Technician Apprenticeship \(ST0046\)](#) starting before 30 June 2022.

This document also explains in [Appendix D](#) what to submit if you wish to apply for qualified membership of ICE and professional registration as an Engineering Technician (EngTech MICE) at the same time as your EPA.

If you have any questions, please contact the EPA team on +44 (0)20 7665 2344 or email epa@ice.org.uk.

EPA Gateway

Before you can apply for your apprenticeship (EPA), you (the apprentice) will need to have successfully completed all aspects of your apprenticeship and completed maths and English at Level 2¹.

The decision as to when you are ready to undertake the EPA will be made by your employer, with the support of your training provider, who will need to sign the statement on your EPA application form confirming you have satisfactorily completed all aspects of your apprenticeship, including the knowledge, skills and behaviours and achieved at least a Level 2 qualification in maths and English. They must confirm that you are ready to undertake the EPA before you submit your application to ICE. Without this evidence any submitted EPA application will be considered invalid.

If you are also applying for professional registration as an Engineering Technician, you will also need to complete section 3 of the [application form](#) and provide additional documents, including sponsors and Continuing Professional Development (CPD) records. Please refer to [Appendix D](#) for details.

Applying for your End Point Assessment

It is your responsibility to check that your EPA date falls before the registered end date (RED) of your apprenticeship, and you are advised to check this with your employer and training provider. If it does not fall before your RED, you could be withdrawn from your apprenticeship.

Application deadlines and EPA dates

Please visit the key dates page [here](#) for application deadlines and EPA dates.

Applications for End Point Assessment can be submitted via the [EPA portal](#) until **31 May 2024**.

From **1 June 2024** ICE will **no longer** accept applications using the portal, all applications for End Point Assessment must be submitted by your Training Provider using the ACE360 portal. We recommend that you contact your Training Provider directly to discuss submitting your application for End Point Assessment.

In-person End Point Assessment

ICE runs both online and in-person EPAs, with online EPAs offering greater flexibility and supports carbon savings.

¹ For those with an education, health and care plan or a legacy statement, the apprenticeship's English and mathematics minimum requirement is Entry Level 3. British Sign Language (BSL) qualifications are an alternative to English qualifications for those who have BSL as their primary language.

You will be able to indicate your preference when applying, but we may need to allocate you to the other interview format depending on the assessors you are matched with.

We recognise some apprentices will have specific individual requirements and we will of course do our best to meet any such needs. Please see [Appendix C](#) if this applies to you.

Please note that, as part of ICE's commitment to minimising its carbon footprint, our default position is that we will not accept requests from apprentices who need to fly to attend an in-person EPA session.

Membership Number or non-member account

Before you apply, you will need an ICE membership number. If you don't already have one, please create a non-member account by [registering with MyICE](#). This will enable you to make payments online and access information on our website tailored to your particular interests. You will find your membership or account number within the "My Profile" section in your [MyICE account](#).

EPA Process

The EPA process comprises the following steps:

- An EPA application
- A response to a technical project brief
- A written report
- EPA day
 - Presentation
 - Structured interview

Making your application

You (the apprentice) will need to send us the following:

- A completed [EPA application](#) form signed by your employer. Please note that the person signing your application does not have to be an ICE member
- Evidence of completion of a level 4 qualification in Construction and the Built Environment which is approved by ICE as meeting the educational requirements for EngTech MICE².
- A letter from your training provider on headed paper stating that you have met each of the Knowledge, Skills and Behaviours of the (Apprenticeship standard title), (version number) and confirm you are now ready to move on to Gateway. The letter should include your name, ULN number and date of birth.
- Evidence of your achievement of level 2 Maths and English³ (or [equivalent](#))

Please note that if you are applying for professional registration, you will also need to complete section 3 of the application form and provide sponsors and CPD records. Please refer to [Appendix D](#) for details.

Submitting your application

If you are submitting your application for your End Point Assessment before 31st of May 2024, you

² Typically this will be the Pearson BTEC Level 4 HNC Diploma in Construction and the Built Environment. If you have completed a different course as part of your apprenticeship, please contact us at epa@ice.org.uk with your course details for advice before applying for your EPA. This should be your qualification certificate or screenshot from the Pearson portal, which lists the units you studied and their marking grade, together with a letter from your training provider on company header paper stating your ULN number, the title and level of your award and its start and completion date, confirming that you have passed the appropriate qualification for your apprenticeship and that they agree you have completed the Gateway for your EPA.

³ For those with an education, health and care plan or a legacy statement, the apprenticeship's English and mathematics minimum requirement is Entry Level 3. British Sign Language (BSL) qualifications are an alternative to English qualifications for those who have BSL as their primary language.

must submit your documents through the [EPA application portal](#) as a single PDF file of no more than 5mb. You must make sure that all items in the application checklist are included in your application before you upload it. If you are also applying for EngTech MICE you must confirm your sponsors have submitted their statement of support.

After your application is submitted, you will receive an automated response on screen confirming your application was uploaded. If you experience issues with the portal, please call us on +44 (0)20 7665 2344 or email epa@ice.org.uk.

From **1 June 2024** ICE will no longer accept applications using the portal, all applications for End Point Assessment must be submitted by your Training Provider using the ACE360 portal. We recommend that you contact your Training Provider directly to discuss submitting your application for End Point Assessment.

Gateway completion and technical project brief

ICE will check your application and contact you and your employer to acknowledge receipt and confirm gateway completion or, if necessary, request any missing documents. You will have 2 working days to provide the missing information. Failure to provide the correct documentation at the time of application could lead to a delay in your EPA, so please check your application carefully before submitting it.

If your application is complete, ICE will formally acknowledge your application and provide you with the details of your Technical Project brief.

ICE will also inform your training provider that you have made an application for EPA.

Payment for EPA

ICE will request payment for your EPA directly from the training provider, which must be received before your EPA. If payment is not received ICE may still allow your EPA to take place but no result will be issued until payment has been made. ICE will notify you of any delays in payment.

Individual requirements

If there are individual requirements that you would like taken into account at your EPA you must state these when you apply – for example, if you have a disability or sensory impairment, if there are commercial or security restrictions on what you can discuss about a particular project you have worked on, or if you are unable to attend your EPA on a certain date or time. You can find out more in [Appendix C](#). If you wish to speak to a member of staff in confidence regarding your requirements, please email epa@ice.org.uk and we will arrange a time to speak to you.

Plagiarism

Plagiarism is presenting the work of others as your own. This means using words or ideas, for example, without the permission of the original author or authors, or without their acknowledgement.

Plagiarism must be avoided at all times, and this includes any reports, drawings and presentations that you submit.

Here are some guidelines to help avoid plagiarism:

- Don't cut and paste material from others
- Where you have directly quoted others, or the work of others, attribute the source fully and,

where appropriate, use quotation marks. As a rule of thumb, material derived from others should be considered a quote, unless it's assumed to be common knowledge – for example, standard equations that are in the public domain

Plagiarism is taken seriously by ICE. Should there be concerns about your submission, ICE will investigate including using plagiarism detection software. If this shows significant levels of similarity with any unattributed sources your assessors will be informed, and you will be contacted by ICE and asked to provide an explanation.

Collusion

In the context of the EPA, collusion is any agreement to conceal someone else's contribution to your piece of work. The guidance above equally applies to avoiding collusion.

If an allegation of plagiarism or collusion is made relating to your application for the EPA, no result will be given until an investigation has taken place.

Plagiarism and collusion may lead to a ban on applying for membership or, for existing members, permanent expulsion as an ICE member.

Malpractice and Maladministration

In the event of concerns raised by the Assessors of any malpractice of maladministration during the EPA, these will be reported to the ICE and an investigation undertaken, no result will be given until the investigation has been undertaken.

Diversity Data

ICE is fully committed to valuing and representing the diversity of our members and applicants. As part of your application, you will be asked a few questions about your background to help us achieve this. We recommend that you submit this data directly online within "My Profile" of your [MyICE](#) account. The information you provide will only be used in an aggregated form and you will never be individually identifiable. You can opt to decline to answer each or any of the questions if you wish. Find out more about ICE's [equality and diversity policy](#).

The Assessment Methods

Keeping to the assessment timeline

The EPA assessment plan sets clear milestones, and it is important that you adhere to those timings – both for the integrity of the assessment and out of respect for your assessors who will be preparing carefully for your EPA.

Please note that you will fail the EPA if you do not submit your report / presentation on time, or if you do not attend the EPA day (i.e. the presentation / interview), without submitting a reasonable and timely request to defer the EPA.

Deferrals

ICE may agree to defer the EPA (i.e. to reschedule it) if exceptional circumstances prevent you from submitting your presentation / report on time or from attending the EPA day.

We recognise the following three criteria as grounds for requesting a deferral, subject to supporting evidence being provided:

- I. Medical

- II. Bereavement
- III. Local Emergency

ICE may also consider situations which fall outside of these criteria if you can provide evidence to show that failure to attend your EPA or submit your report / presentation was due to circumstances beyond your control.

If you need to defer your application after receiving confirmation of the date of your EPA, you must inform ICE immediately on +44 (0)20 7665 2344 or at epa@ice.org.uk. You should notify your training provider, employer, and lead sponsor(if applicable) as well.

After notifying ICE, you will be given 10 working days to supply your evidence for deferral, although in most circumstances we would expect that evidence to be submitted directly. If you do not submit the evidence within 10 working days, a deferral will not be granted, and your EPA will be recorded as a fail.

Once submitted, ICE will review your deferral request and supporting evidence and consider whether the request is reasonable – both in terms of the grounds for no longer meeting the assessment schedule and in terms of whether you have notified ICE promptly. ICE will then advise whether a deferral will be granted or whether the EPA will be recorded as a fail. You may use the ICE appeals process if you wish to challenge that decision.

ICE will notify your employer and training provider of its decision.

Setting the EPA interview date

We will provide you with the names of your two assessors, as well as the time and date of your EPA in an email at least six weeks prior to the date of your EPA. This notification will also include the deadline for you to submit your technical report and presentation.

Under no circumstances should you contact your assessors.

ICE may allow you to sit your EPA if payment has not been received, but no result can be issued until payment has been received.

If you have opted for an in-person EPA, your EPA will be held online via MS Teams. For more details see our [online EPA guidance](#).

Conflict of interest

Your assessors should not be connected to either you or your employer. If you know one of your assessors or feel there may be a conflict of interest, you should let us know immediately on +44 (0)20 7665 2344 or at epa@ice.org.uk.

Your assessors will also have been given the opportunity to identify any conflicts prior to you being notified of who they are.

Technical project brief

You will be provided with your technical project brief six weeks prior to the date of your EPA. The technical project brief will be related to your area of technical specialism as specified on your application form. The purpose of the technical project brief is to provide a means to assess your ability to integrate the range of knowledge, skills and understanding, which you have acquired during your apprenticeship.

It will take between 25-30 hours to prepare your response. This will involve research and preparing material for the presentation, which must include:

- A project plan summarising the actions needed to complete the project within the timeline
- At least two options must be proposed and assessed, and a rationale given for the chosen option
- Calculations and drawings
- Reference to:
 - relevant scientific and engineering principles
 - relevant legislation and standards
 - health and safety considerations
 - any environmental sustainability concerns or opportunities
- A reflective evaluation as to how you went about the process of producing the response to the project brief explaining
 - what worked
 - what did not work
 - obstacles that needed to be overcome and how this was achieved
 - what would you do differently next time

Your response to the technical project brief will be delivered in a presentation as part of your EPA. You will be able to present this onscreen via MS Teams as per the [online EPA guidance](#).

If your EPA is online, you will be asked to upload a copy of your presentation to ICE 48 hours before your EPA, this will be made available to your assessors prior to your EPA.

If your EPA is in-person you should give your assessors hard copy handouts of your presentation on the day of your interview. You will deliver your presentation seated across the table with visual aids no larger than A3 and you are permitted to use a laptop computer but note that an external power supply will not be provided.

We have produced a [Technical Project Brief \(TPB\) guidance](#) and a [recording](#) that provides useful tips and advice that will help you prepare your presentation.

Written report

In addition to the technical project brief, you will need to prepare and submit a written report of between 1500 – 1600 words; this must be a reflective account which gives:

- Between 2 - 4 examples of tasks undertaken in the course of your apprenticeship, demonstrating how you solved a technical problem. It should, explain your role and how you selected the appropriate techniques, procedures and methods used. The report should explain any scientific, technical or engineering principles used and how you reached the findings / recommendations. It should also include what you did for your employer or other people involved such as clients or suppliers and include anything you did to ensure the safety of people, equipment or data
- Between 2 - 4 examples demonstrating how you identified, planned, and organised the resources needed to effectively complete a project or task. The report should explain how you took into consideration cost, quality, safety and any environmental impact. It should make reference to what equipment was used, how data was gathered and analysed and how you initiated the project to produce the desired outcome
- Between 2 - 4 examples demonstrating how you have complied with the ICE Code of Conduct, how you keep in touch with developments in your technical area and how you intend to continue to develop your knowledge and skills

Your employer will verify that the work described in the written report has been carried out by you (the apprentice).

We have produced a Written Report [recording](#) that provides useful tips and advice that will help you prepare your report.

Appendices

You may also submit some appendices to the written report. These may include cost data, drawings (no more than three pages), risk assessments, assessment reports, or other documents, depending on the tasks you perform and their output.

No more than 10 pages in total should be submitted.

Photograph

You should include a recent passport photograph of yourself with your report.

Submitting your report

Your written report and any appendices must be uploaded to the [EPA portal](#) in a single PDF file within six weeks of receiving your brief. The date for submission will be set out in your acknowledgement letter.

- The overall document must be –
 - One self-contained PDF file
 - A4-sized (A3 is suitable for drawings if required)
 - No larger than 15mb
- The filename must include your ICE membership number⁴, surname, initials and EPA date
- Your report cover page must include –
 - A recent photo of you
 - Your signature and membership/non-member number
 - The signature of the person who has verified your report and date of signature, together with their professional title/s
- Include hyperlinks to link data in the appendices with the relevant text in your report
- Use colour where necessary – for example, images and drawings
- Where possible, convert individual documents to PDF electronically, rather than scan them
- Ensure the file can be viewed on a laptop screen and is also printable in the correct format – and can be read in black and white

Initial assessment

Your written report will be reviewed by your assessors against the knowledge, skills and behaviours listed in the apprenticeship standard and they will agree on the areas that need to be explored further in the interview.

The End Point Assessment

The EPA comprises of:

- A presentation
- A structured interview

To be successful your assessors must both be satisfied that you have met all the knowledge, skills and behaviours listed in [Appendix A](#).

⁴ You can find this within “My Profile” in your [MyICE account](#) – please [register with MyICE](#) as a non-member if you do not already have an account.

Presentation

Your EPA will start with a 10-minute presentation to showcase your response to the technical project brief. This will be followed by a 10-15 minute question and answer session against the required knowledge, skills and behaviours as listed in [Appendix A](#).

You will be able to present these onscreen via MS Teams as [per the guidance](#). If your EPA is held in-person, you will deliver your presentation seated across the table with visual aids no larger than A3 and you are permitted to use a laptop computer but note that an external power supply will not be provided. You should give your assessors hard copy handouts of your presentation on the day.

Structured interview

Immediately following the presentation and question and answer session, a structured interview will take place. The purpose of the interview is for your assessors to be confident that you have acquired and can use the [knowledge, skills and behaviours](#) needed to be a competent Construction Site Engineering Technician.

The questions will focus on four main areas in the context of your occupational specialism demonstrated in your written report, as least one question will be asked on each of the following areas:

- **Technology and problem solving** – questions about the use of software tools in design and data collection, awareness of the range of factors affecting choice of engineering solutions, choices of systems and components, health and safety, environmental impact and sustainability, whole life costing
- **Management** – questions about working to quality, time and budget, planning workload, the importance of technical standards and procedures, keeping proper records
- **Communication** – questions exploring examples of technical and non-technical presentations and reports, working as part of a team
- **Commitment and ethics** – questions about client confidentiality, the importance of safe systems of work, the need for sustainable solutions, professional development

This interview normally lasts between 30-40 minutes.

All mobile devices must be switched off prior to the start of the interview. Recording of the presentation and interview is prohibited.

Results

We will let you know the result no later than 6 weeks after your EPA. After your result has been issued ICE will apply for your Apprenticeship Completion Certificate.

If you are unsuccessful, you will be provided with the assessors' comments as to the reasons why, and this will help you to discuss your result with your employer and ICE staff.

Please note that the outcome of your EPA will be shared with your employer and training provider.

Re-sitting

If you are unsuccessful, you must apply to re-sit within 12 months of your original EPA to complete the apprenticeship.

If you were successful at the presentation element you will only have to retake the structured interview. You can request a new technical project brief, or you can re-work your original project report and/or presentation.

The resit must include a structured interview even if it was passed first time round.

When you re-sit, you will have to demonstrate all the knowledge, skills and behaviours, not just those that you were unsuccessful in. In preparing for your re-sit, you and your employer should take into account your assessors' feedback on areas where you did not demonstrate competence, as detailed in your result letter.

If you are also applying for professional registration with ICE, your sponsors must fill out a new [statement of support](#). If any of your original sponsors are unable to support your application again, you'll need to find new ones. When preparing another application, you are advised to consult with your employer or, if you are also applying for professional registration with ICE, contact the [Membership Support Team](#).

Appeals

You have the right to appeal where you feel there was an error in the process, or in cases of unforeseen events. Appeals must be received within two months of the date of your result letter. Appeals after this date will not be considered.

If you are considering an appeal, you are advised to consult with your employer or, if you apply for professional registration with ICE, contact the Membership Support Team, who can be contacted either by emailing membership@ice.org.uk or by calling +44 (0)121 227 5948.

If you wish to appeal, please read the [appeals guidance](#).



Appendix A – EPA grading

End-point assessment method	Pass criteria	Fail Criteria
<p>Presentation (based on response to technical project brief)</p>	<p>Provides evidence of knowledge, skills and behaviours required in Appendix B to:</p> <ul style="list-style-type: none"> ▪ Review and select appropriate techniques, procedures and methods to undertake tasks (K3, S3, B7) ▪ Use appropriate scientific, technical or engineering principles (K3, S3, B7) ▪ Identify problems and apply appropriate methods to identify causes and achieve satisfactory solutions (K3, K4, K6, S2, S3, S6, B7) ▪ Identify, organise and use resources effectively to complete tasks, with consideration for cost, quality, safety, security and environmental impact (K4, K5, K6, S4, S5, S6, B6) ▪ Work reliably and effectively without close supervision, to the appropriate codes of practice (K1, K6, S1, S6, B1) ▪ Accept responsibility for work of self or others (K4, S4, S5, B1, B6) ▪ Accept, allocate and supervise technical and other tasks (K4, K5, S4, S5, B5) ▪ Use oral, written and electronic methods for the communication in English of technical and other information (K4, K5, S3, S4, S5, B5, B6) ▪ Work effectively with colleagues, clients, suppliers or the public, and be aware of the needs and concerns of others, especially where related to diversity and equality (K4, S4, B4, B6) ▪ Comply with ICE's Code of Conduct (K1, S1, B2) ▪ Manage and apply safe systems of work (K1, S1, B1, B7) ▪ Undertake engineering work in a way that contributes to sustainable development (K2, S2, B1, B7) ▪ Carry out and record Continuing Professional Development (CPD) necessary to maintain and advance competence in own area of practice (B3) ▪ Exercise responsibilities in an ethical manner (K1, K2, S1, S2, B1, B2) ▪ Show how you have, or would, use Building Information Modelling (BIM) to access and work with data (K3, K5, S3, S5, B5, B6, B7) <p>To pass you must demonstrate achievement of all these grading criteria.</p>	<p>Fails to provide evidence to meet all the knowledge, skill and behaviours as required in Appendix B for this assessment method</p>

<p>Structured interview (informed by a written report)</p>	<p>Provides evidence of knowledge, skills and behaviours required in Appendix B to:</p> <ul style="list-style-type: none"> ▪ Review and select appropriate techniques, procedures and methods to undertake tasks (K3, S3, B7) ▪ Use appropriate scientific, technical or engineering principles (K3, S3, B7) ▪ Identify problems and apply appropriate methods to identify causes and achieve satisfactory solutions (K3, K4, K6, S2, S3, S6, B7) ▪ Identify, organise and use resources effectively to complete tasks, with consideration for cost, quality, safety, security and environmental impact (K4, K5, K6, S4, S5, S6, B6) ▪ Work reliably and effectively without close supervision, to the appropriate codes of practice (K1, K6, S1, S6, B1) ▪ Accept responsibility for work of self or others (K4, S4, S5, B1, B6) ▪ Accept, allocate and supervise technical and other tasks (K4, K5, S4, S5, B5) ▪ Use oral, written and electronic methods for the communication in English of technical and other information (K4, K5, S3, S4, S5, B5, B6) ▪ Work effectively with colleagues, clients, suppliers or the public, and be aware of the needs and concerns of others, especially related to diversity and equality (K4, S4, B4, B6) ▪ Comply with ICE's Code of Conduct (K1, S1, B2) ▪ Manage and apply safe systems of work (K1, S1, B1, B7) ▪ Undertake engineering work in a way that contributes to sustainable development (K2, S2, B1, B7) ▪ Carry out and record Continuing Professional Development (CPD) necessary to maintain and advance competence in own area of practice (B3) ▪ Exercise responsibilities in an ethical manner (K1, K2, S1, S2, B1, B2) ▪ Show how you have, or would, use Building Information Modelling (BIM) to access and work with data (K3, K5, S3, S5, B5, B6, B7) <p>To pass you must demonstrate achievement of all these grading criteria.</p>	<p>Fails to provide evidence to meet all the knowledge, skills and behaviours as required in Appendix B for this assessment method</p>
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Appendix B – Mapping of EPA methodology to the Construction Site Engineering Technician apprenticeship standard

Mapping Grid

Ref	Knowledge category	Core knowledge to be assessed	Presentation Based on response to technical project brief	Structured Interview Informed by a written report
K1	Health and Safety	Understand the principles and responsibilities imposed law and other regulations in a construction environment.	✓	✓
K2	Sustainability	Understand the sustainability issues in projects across economic, social and environmental aspects.	✓	✓
K3	Engineering Principles	Understand engineering techniques, procedures and methods and the principles of design.	✓	✓
K4	Construction Management	Understand management principles and the project management lifecycle.	✓	✓
K5	Planning and Organising Work	Understand the importance of project planning and resourcing and be able to analyse different techniques.	✓	✓
K6	Monitor Quality	Able to define the quality required on a finished construction project.	✓	✓



Ref	Skills category	Core skills to be assessed	Presentation Based on response to technical project brief	Structured Interview Informed by a written report
S1	Health and Safety	Identify risk of activities and encourage all employees to demonstrate safety-conscious behaviours.	✓	✓
S2	Sustainability	Assess, identify and record the environmental impact of projects.	✓	✓
S3	Engineering Principles	Assist in the implementation of the most appropriate solutions for construction projects.	✓	✓
S4	Construction Management	Use effective management principles and be able to supervise construction workers.	✓	✓
S5	Planning and Organising Work	Understand overall plan for project and measure and record progress against plan.	✓	✓
S6	Monitor Quality	Assess and report on quality standards of finished construction projects.	✓	✓



Ref	Behaviours category	Core behaviours to be assessed	Presentation Based on response to technical project brief	Structured Interview Informed by a written report
B1	Professional Judgement	Be able to work within own level of competence and know when to seek advice from others	✓	✓
B2	Commitment to Code of Ethics	Work within Rules and Regulations of Professional Competence and Conduct for the relevant PEI	✓	✓
B3	Continuing Professional Development	Identify own development needs and take action to meet those needs. Use own knowledge and expertise to help others when requested.		✓
B4	Commitment to Equality and Diversity	Understand the importance of equality and diversity and demonstrate these attributes so as to meet the requirements of fairness at work.		✓
B5	Communicate Effectively	Be able to contribute effectively to meetings and present information in a variety of ways including oral and written.	✓	✓
B6	Work in Teams	Be able to work with others in a collaborative and non-confrontational way.	✓	✓
B7	Demonstrate Innovation	Be able to identify areas for improvement and suggest innovative solutions.	✓	✓



Appendix C – Individual requirements

ICE is committed to making reasonable adjustments to our EPA process to accommodate specific individual requirements.

Individual requirements may include disabilities, specific learning difficulties (such as dyslexia), temporary conditions, and security clearance, or you are unable to attend EPA on a certain date or time, or to travel for an in-person EPA.

Each application will be considered on a case-by-case basis in light of the applicant's needs. However, you need to tell us about your requirements in the space provided in your EPA application form. We will also need to see any evidence, e.g., certified documents or statements, which should be submitted at time of making your application.

Disability or sensory impairment

In line with the Equality Act 2010, we will make whatever 'reasonable adjustments' are required for apprentices with a disability, such as dyslexia, speech impairment or sensory loss, for example. Our Equality and Diversity Policy ensures everyone receives the same opportunities during the EPA process.

Listed below are some examples of reasonable adjustments made:

- Giving extra time at the different elements of the EPA (up to 25%)
- Providing a scribe
- Providing a private room

However, this is just an example and ICE staff will contact you and discuss your own individual requirements prior to your EPA day, adjustment will:

- Not give the apprentice an unfair advantage
- Reflect the apprentice's normal way of working and
- Be based on the individual needs of the apprentice

You can speak to a member of staff in confidence regarding your requirements, please email EPA@ice.org.uk and we will arrange a time to speak to you.

Security-mindedness and security clearance

You should consider whether information in your EPA submission should be omitted or reduced in its level of detail due to security reasons. However, there is no reason why this should detract from the quality of your report.

If your submission is affected by security issues, you should consider the following suggestions:

- Make your report non-site specific – for example do not state that the facility was on the Sellafield site or on the Hinkley site or that the asset serves a critical function to the site or country, or is or was vulnerable to various threats
- Do not state building numbers or names – it is sufficient to say 'nuclear facility' or 'nuclear store'
- Remove site and building names from drawings or snapshots of models
- Do not include photographs or other images which reveal the location of buildings and facilities
- Avoid stating, or showing in drawings or extracts from models, technical details (such as wall thickness) which may reveal security-sensitive information

If you work on a security-sensitive project, we recommend that your organisation's information security manager (and also that of the asset owner/client) reads your EPA submission and approves the content before submitting.

Familiarise yourself with the [Engineering Council's guidance note on Security](#) (published May 2016).

You should also let us know if you believe your assessors need security clearance.



Appendix D – Applying for qualified Membership of ICE (MICE and Engineering Technician (EngTech) registration

If you would like to gain qualified member of ICE (MICE) and Engineering Technician (EngTech) registration with the Engineering Council when you sit your EPA, you must also complete and sign section 3 of the [application form](#) and provide:

- Your Continuing Professional Development (CPD) records
- Details of two sponsors (who are each required to fill in a statement of support)

Please note that if you pass your EPA, you will be registered at EngTech level and required to pay the relevant [Engineering Council entry fee](#) and subsequent annual fees, as well as an annual ICE [Technician Member subscription fee](#).

You will be notified in your result letter when you can use the designatory letters of EngTech MICE.

Continuing Professional Development (CPD) records

Your CPD records show us the training and development activities you have completed and the objectives you have set to ensure that you continue working as a skilled and competent Engineering Technician. They comprise:

- **Development action plan (DAP)** – This will detail your personal development objectives for the current/forthcoming year. A copy of your personal employer appraisal showing your objectives for the current/forthcoming year is acceptable in lieu of a DAP
- **Personal development record (PDR)** – This will detail the training and development you have undertaken. This should include a minimum of 30 hours of effective learning per year. We normally expect to see three years of records if your experience allows it, although one (30 hours) is acceptable. It should describe all the training you have completed. For more information on how best to plan and record your CPD, please read our [CPD guidance](#)

Sponsors

Your application must be supported by two sponsors who can confirm your suitability for membership. They must each complete a [sponsors statement of support](#) and upload it to the [EPA sponsors portal](#) one week before you submit your application - [see here for the deadlines](#). You must check they have done this before submitting your application.

It is important that you read the sponsor statement of support form before you select your sponsors as it provides guidance as to who is eligible to sponsor your application and what they are required to do.

You need to select one sponsor to be your 'lead sponsor' and one to be a supporting sponsor. The lead sponsor must be an ICE Member or Fellow registered at the same grade or higher than the one you are applying for, as they have a responsibility to mentor you during the submission process and play an important part in the success of your application. Your other sponsor does not have to be an ICE Member or Fellow but must be a registered member of a [Professional Engineering Institution](#) at EngTech, IEng or CEng level.

Your lead sponsor:

- Has a duty to act as a mentor during the EPA submission process
- Should be familiar with the current ICE requirements for membership and registration with Engineering Council Your lead sponsor could, for example, provide constructive criticism of your report, advice on the presentation and arrange practice interviews

Admission Procedure 3

After receipt of your application, your name will be published on the ICE website for a minimum of 28 days in accordance with [Admission Procedure 3](#).

If you are successful and you have given permission in your application form, your name will be published on [ICE's website](#).

Unspent convictions

No person with an unspent conviction relating to a Serious Criminal Offence⁵ will be admitted to any grade of membership unless there are special circumstances that show beyond reasonable doubt that the person is a fit and proper person to be admitted to membership of the Institution.

If you have an unspent conviction relating to a serious criminal offence, please complete [this form](#) It must be signed by your sponsors and submitted with your application form. A member of ICE staff will contact you directly and in confidence.

⁵ "Serious Criminal Offence" means an offence involving dishonesty or deception or any offence punishable by a Court of competent jurisdiction by a term of imprisonment of 12 months or more (whether or not any custodial sentence is in fact imposed).

Our vision

Civil engineers at the heart of society, delivering sustainable development through knowledge, skills and professional expertise.

Core purpose

- To develop and qualify professionals engaged in civil engineering
- To exchange knowledge and best practice for the creation of a sustainable and built environment
- To promote our contribution to society worldwide

Diversity statement

As a membership organisation and an employer, we value diversity and inclusion - a foundation for great engineering achievement

Institution of Civil Engineers
One Great George Street
Westminster
London SW1P 3AA
UK

T: +44 (0) 20 7665 2344
E: epa@ice.org.uk
W: ice.org.uk

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