



ICE 3009(4)

UK Register of Ground Engineering Professionals



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For more detailed information and practical advice on register membership, visit www.ukrogep.org.uk

The UK Register of Ground Engineering Professionals adheres to the diversity values of the Institution of Civil Engineers, the Geological Society of London and the Institute of Materials, Minerals and Mining.

1. Introduction

1.1 The UK Register of Ground Engineering Professionals (RoGEP) provides external stakeholders, including clients and other professionals, with a means to identify individuals who are suitably qualified and competent in ground engineering – be they from the background of consultants, contractors, public bodies or academia. These professionals may be involved in various disciplines or on various projects that fall within the broad heading of ground engineering. They must have an appreciation of other disciplines and interests that extend beyond, but may interface with, ground engineering. They must be able to demonstrate how ground engineering interacts with other technical professions.

Ground engineering is defined by the Ground Forum as ‘an understanding of geological structures, materials and processes, combined with the systematic application of investigative, scientific and engineering techniques to produce practical solutions to ground related issues for the benefit of society’.

One of the purposes of the Register is to provide a means of demonstrating the ground engineering competences, for example those required for the roles of Ground Engineering Professional, Ground Engineering Specialist and Ground Engineering Adviser, as defined by the Site Investigation Steering Group (SISG) and other specifications, codes and standards.

1.2 To apply, you are required to be chartered with the Institution of Civil Engineers (ICE), the Institute of Materials, Minerals and Mining (IoM3) or the Geological Society of London (GSL).

1.3 The Ground Forum (GF), the body that represents both professional bodies and trade organisations within the ground engineering discipline, recognises the need for an up-to-date register, or listing. Those on the Register may come from varying backgrounds such as consulting, contracting, public bodies or academia.

1.4 To become registered you are required to possess a sound knowledge and understanding of scientific/engineering/technical principles together with experience of ground engineering.

1.5 In order to raise awareness and standards, you must have a commitment to the systematic maintenance, improvement and broadening of knowledge, skills and competence known as Continuing Professional Development (CPD), particularly in the area of ground engineering.

1.6 Registrants are listed in open-source documentation. Should clients want to verify whether a Registrant is what they purport to be and in good standing they should contact the Register via the website at www.ukrogep.org.uk

1.7 There are three grades of Registrants:

- Registered Ground Engineering Professional
- Registered Ground Engineering Specialist
- Registered Ground Engineering Adviser

Progression from Professional grade through to Adviser grade is encouraged.

- 1.8** To be accepted onto the Register you must be:
- Professionally qualified with ICE, the IoM3 or the GSL at a chartered level of membership
 - Successful at assessment

On admission to the Register, individuals may describe themselves as:

Name *Professional Qualifications*
UK Registered Ground Engineering
Professional/Specialist/Adviser

Registrants are encouraged to use the above descriptors in their professional correspondence.

- 1.9** In order to remain a Registrant you must:
- Retain chartered membership of ICE, IoM3 or the GSL
 - Demonstrate commitment to CPD, particularly in the area of ground engineering
 - Pay the annual registration fee

2. Definitions

The definitions for each grade of registration are given below:

2.1 Registered Ground Engineering Professional

An individual who has attained chartership through ICE, IoM3 or GSL and by means of training and experience meets the competence requirements set out in Appendix A. The individual either submits an application to the Register at the same time as chartership validation/Professional Review, subject to the requirements of the appropriate professional body, or provides a stand alone application thereafter.

The individual will typically be competent to:

- Carry out a range of routine ground engineering activities
- Contribute within a team to the design and execution of a wider range of activities
- Appreciate the role of their areas of ground engineering expertise within a project and in relation to other disciplines

2.2 Registered Ground Engineering Specialist

An individual who has attained chartered membership through ICE, IoM3 or GSL and by means of qualification, training and experience meets the competence requirements set out in Appendix A. The individual will typically be competent to:

- Design and manage a range of ground engineering activities
- Check the output documents from the same activities, when undertaken by others
- Approve and/or authorise factual work and routine interpretative work by others

As a guide, an applicant will typically have eight years relevant post-graduate experience in ground engineering, or a relevant masters degree and six years relevant post-graduate experience in ground engineering.

2.3 Registered Ground Engineering Adviser

An individual who has attained chartered membership through ICE, IoM3 or GSL and by means of qualification, training and experience meets the competence requirements set out in Appendix A.

The individual will typically be competent to:

- Design, manage, check, approve, authorise and take responsibility for a wide range of ground engineering services

In addition, a UK Registered Ground Engineering Adviser would be able to act as a technical mentor to all other ground engineering professionals.

Individuals at Adviser grade will be required to demonstrate sufficient additional post-chartership competence over and above the Specialist grade as set out in Appendix A. As a guide, an applicant for Adviser grade will typically have five years of practice as a UK Registered Ground Engineering Specialist.

3. The Assessment

- 3.1** To be accepted as a Registrant, you must meet the Register's requirements as defined in Section 2 above and further detailed in Appendix A. If deemed necessary you may be requested by the Assessors to attend an interview.

The assessment process for all three grades consists of:

- The submission of documents
- An assessment of these documents by the Assessors

- 3.2** Applicants for the grade of UK Registered Ground Engineering Professional may apply at the same time as submitting their documentation for:

- ICE Chartered Professional Review
- IoM3 Professional Membership Review at chartered level
- Chartership validation by the GSL

- 3.3** For further details of the application process for each grade see Appendix B.

4. Continuing Professional Development (CPD)

- 4.1** Continuing Professional Development (CPD) is defined as the systematic maintenance, improvement and broadening of knowledge and skills, and the development of personal qualities necessary for the execution of professional and technical duties throughout your working life.
- 4.2** As part of your assessment you will be assessed on your commitment to CPD both to date and on your plans for the year ahead. CPD can best be demonstrated by regular use of planning and recording documents provided by your host institution.
- 4.3** You should always plan to achieve a well-balanced programme of CPD, but additional emphasis must be made on ground engineering topics. Part of your CPD should address attaining and understanding knowledge of new or emerging ground engineering legislation and other relevant ground engineering matters.

5. Revalidation of Registration

- 5.1** Membership of the Register is dependent on retaining chartered membership of ICE, IoM3 or the GSL. Failure to do so may result in removal from the Register.
- 5.2** Registration is valid for a period of five years, after which time those registered will be asked to submit the following in order to demonstrate that they have maintained their skills:
- Revalidation form
 - CPD record
 - Current CV
 - Revalidation fee

5.3 Revalidation Form

The revalidation form is to verify your personal details. A short statement (no more than 250 words) of your working activities must be included, outlining your development in the application of ground engineering.

5.4 CPD record

The revalidation process focuses on the quality and range of CPD undertaken, rather than quantity.

5.5 CV

The CV should focus particularly on the five years since registration.

5.6 Additional Information

If the Assessors are not satisfied with the information provided, you may be required to provide additional information or attend an interview.

5.7 Revalidation fee

A revalidation fee will be payable, details of which are on www.ukrogep.org.uk

6. Professional Conduct

All members of the UK Register of Ground Engineering Professionals:

- Will adhere to the requirements of the Professional Code of Conduct of their host professional body
- Will uphold the standing of the UK Register of Ground Engineering Professionals

If a complaint of misconduct is made against a Registrant, they shall be referred to their host professional body. If the complaint is upheld they shall be considered for removal from the Register.

Attributes of a Registrant

A1.1 The Assessors will judge your level of attainment of the below attributes. These are as follows:

- Innovation
- Technical solutions
- Integration
- Risk management
- Sustainability
- Management

The competence levels, relative to the grades of registration, are listed in the table below. You will be assessed on the level of attainment of each competence with regard to their relative importance within your specific field of work.

A1.2 You must demonstrate a sound knowledge and understanding of the scientific/ engineering/ technical principles within ground engineering.

A1.3 The Assessors will be looking for a personal demonstration of the competence level appropriate for the level at which you are seeking entry onto the Register. This may be via academic and/or practical experience.

It is recognised that each applicant will have a unique combination of skills and experience and most will have stronger capabilities in some attributes than in others. For instance, applicants seeking entry at the grade of Ground Engineering Professional may have had limited opportunity to innovate, while academic applicants may have had little or no opportunity to develop management skills. Assessors will be flexible in assessing each applicant's competency, especially for Professional grade applicants. It is advisable to provide frank descriptions of your competency level under each attribute rather than unnecessarily enhanced details under attributes where you have only limited skills.

Attribute	Assessment of Competence Level		
	<i>Professional</i>	<i>Specialist</i>	<i>Adviser</i>
Innovation	Ability to introduce and develop innovation in connection with ground engineering activities in respect of the challenges associated with research, design or construction	Manage the introduction and development of innovation in connection with ground engineering activities in respect of the challenges associated with research, design or construction	Take responsibility for the introduction and development of innovation in connection with ground engineering activities in respect of the challenges associated with research, design or construction
Technical solutions	Ability to apply and implement technical solutions in connection with ground engineering activities in respect of problems associated with research, design or construction	Manage the application of technical solutions in connection with ground engineering activities in respect of problems associated with research, design or construction	Take responsibility for technical solutions in connection with ground engineering activities in respect of problems associated with research, design or construction
Integration	Ability to integrate ground engineering activities in a multi-disciplinary environment associated with research, design or construction	Manage ground engineering activities in a multi-disciplinary environment associated with research, design or construction	Take responsibility for ground engineering activities in a multi-disciplinary environment associated with research, design or construction
Risk management	Ability to identify and assess risks in connection with ground engineering activities in respect of the challenges associated with research, design, construction, health, safety and welfare	Manage the identification and assessment of risks in connection with ground engineering activities in respect of the challenges associated with research, design, construction, health, safety and welfare	Take responsibility for the identification and assessment of risks in connection with ground engineering activities in respect of the challenges associated with research, design, construction, health, safety and welfare
Sustainability	Ability to investigate and promote sustainability in connection with ground engineering activities in respect of problems associated with research, design or construction	Manage the identification and promotion of sustainability in connection with ground engineering activities in respect of problems associated with research, design or construction	Take responsibility for the identification and promotion of sustainability in connection with ground engineering activities in respect of problems associated with research, design or construction
Management	Ability to plan and deliver ground engineering activities in respect of problems associated with research, design or construction	Manage the planning and delivery of ground engineering activities in respect of problems associated with research, design or construction	Take responsibility for the planning and delivery of ground engineering activities in respect of problems associated with research, design or construction

Table 1: Assessment of Attributes

Detailed guidance

B1 Assessment process

B1.1 The assessment process for each grade will be undertaken by a desktop assessment. Applicants who do not fully meet the attribute requirements may be required to attend an interview (with the exception of applications to the grade of Registered Ground Engineering Professional at the same time of chartership please refer to B2.5).

B2 Application process

B2.1 The assessment for the three grades of registration (with the exception of those noted in B2.5) requires submission of the following documents:

- Application form
- Personal statement
- Concise CV
- Sponsor's statement
- A record of CPD, in accordance with the requirements of your host institution. This should also include a plan for your year ahead
- Application fee

An assessment of these documents will be undertaken by suitably qualified and experienced Assessors.

B2.2 Application form

Applicants are required to complete and submit all sections of the application form available at www.ukrogep.org.uk

B2.3 Personal statement

All applicants (with the exception of those wishing to apply for the Grade of Ground Engineering Professional at the same time as their chartership review, please refer to B2.5) must complete the personal statement section of the application form. It should demonstrate, with examples, how your work experience and career to date have led to the achievement of the competence requirements. You should also demonstrate an appreciation of the role of ground engineering within multi-disciplinary projects.

As this will provide the basis for assessing your personal competence it should detail your personal role in the ground engineering projects described.

The personal statement should usually be no more than 1,500 words. For those applications made at the same time as chartership review, see B2.5.

B2.4 Areas of ground engineering expertise

Individuals applying for admittance to the Register at all grades should select at least one, but no more than four main areas of expertise:

- Coastal/marine/offshore
- Contaminated land/landfill engineering
- Engineering geology/hydrogeology
- Foundations/retaining structures
- Ground investigation
- Ground treatment
- Materials and earthworks
- Mining/quarrying
- Soil and/or rock mechanics
- Slopes, soil and/or rock
- Underground works
- Other

It should be indicated in the relevant boxes of the application form which area(s) of ground engineering expertise your experience encompasses. The demonstration of competence, in respect of the specified attributes, should be clearly indicated in both the personal statement (see B2.3) and the sponsor's statement (see B2.7).

B2.5 Combined submissions for professional qualification and registration as Ground Engineering Professional

Applicants wishing to apply for the grade of Ground Engineering Professional at the same time as their chartership review may do so. This is subject to the requirements of the appropriate professional body.

These applicants are not required to submit a Personal Statement.

B2.6 A concise CV

You must submit a concise CV outlining your career to date (with the exception of those noted in B2.5). This should be no more than two pages.

Your CV should demonstrate your career progression and include positions of particular significance. As a guide, no more than three projects or activities should be given for each year of experience. The overall record should typically include at least the most recent five years technical experience but no more than 10 years.

The following, if applicable, should be listed on an additional page:

- Titles and dates of ground engineering related lectures given
- Papers published, noting those which have been refereed
- Current and past membership of ground engineering related committees

B2.7 Sponsor's statement

Each sponsor is required to complete a sponsor's statement available at www.ukrogep.org.uk or ice.org.uk/rogep. Sponsors have to indicate how, in their opinion, the applicant has achieved the competence requirements set out in Appendix A and confirm that the applicant is suitable to be admitted to the Register.

A sponsor is required to be on the Register at a grade equal to, or higher than, that of the applicant. In the initial period of operation of the Register, if suitable sponsors are not available, then other professionals qualified with ICE, IoM3 or GSL may be selected. They must hold chartered level of membership and are subject to approval from the RoGEP Panel. Please contact www.rogep.org.uk for details.

You cannot be related to your sponsor.

B2.8 Continuing Professional Development (CPD)

Your CPD record should highlight ground engineering issues, including knowledge and understanding of new or emerging ground engineering legislation and other relevant matters. It should also include CPD that highlights additional ground engineering activities that you have planned for the year ahead.

B2.9 Application fee

A non-refundable application fee must be included with the application.

If you are simultaneously applying for the grade of Ground Engineering Professional and submitting your documentation for professional membership at chartered level for your professional body, you must submit two separate fees. One payment is for application to the Register and one payment is for the relevant professional body.

A summary of the application fees are available at www.ukrogep.org.uk

B3 Interviews

B3.1 If you are required to attend an interview you will be given approximately four weeks notice of your interview date and also the names of your Assessors. If on being notified of your Assessors details you find that you know an Assessor personally, or feel there may be conflict of interest, you should advise registers@ice.org.uk immediately. Assessors are similarly advised of candidate names.

B3.2 Interviews are arranged by the Registers Executive at a mutually agreed time and location to suit both the availability of Assessors and candidates. For further details of non-UK RoGEP interviews, please contact registers@ice.org.uk

B3.3 Assessors will be seeking to confirm that the evidence of competence that you have provided meets the requirements of Appendix A, and is supported by your responses to their questioning. If you have not demonstrated sufficient evidence of a particular aspect, Assessors may frame specific questions to try to draw out knowledge and experience in that area. However, it is your responsibility to demonstrate the achievement of competence as well as that of the Assessors to verify it.

B3.4 On the day of their interview you must bring with you proof of identity. This must be an official document, such as a current passport or driver's license that includes your name, signature and a photograph.

B3.5 You may postpone your assessment without penalty if three weeks notice is given.

B4 Assessment result

B4.1 Time is required for Assessors to process the result and for quality control, audit and the approvals processes, after which the result will be sent to you. The names of successful applicants will be published at www.ukrogep.org.uk

B4.2 If an assessment results in a refusal, you will be advised of the further experience and/or qualifications required before your submission will be re-considered. When resubmitting, you will have to satisfy the new Assessors that you have demonstrated all the competence requirements and not just those that caused the original refusal. You should prepare in the same way as you did for the original Assessment, taking particular attention to show in your new submission how you have addressed the concerns of the original Assessors.

B4.3 In cases of perceived error in the process, or for unforeseen events, there is a right of appeal. An appeal must be made in writing within one month of receiving notice of the assessment result. For full details contact registers@ice.org.uk

B4.4 To be valid, a non-refundable fee must accompany any appeal.



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