**RF1: Engineering Council - CEng Registration**

**Applicants must have read the** [**Engineering Council UK-SPECv4**](https://www.engc.org.uk/media/4338/uk-spec-v14-updated-hierarchy-and-rfr-june-2023.pdf) **before completing this section of the form.**

The minimum word amount is 2000 with a maximum of 2500 words in total across all sections of the competences. If you exceed the maximum number of words your application may be rejected.

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| **Personal Details** | |
| Forename(s): | Surname: |
|  | Membership No (if known): |

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| 1. **Knowledge and Understanding.** |
| **Use a combination of general and nuclear engineering knowledge and understanding to optimise the safe application of advanced and complex systems.** |
| A1. Describe how you have maintained and extended a sound theoretical approach in enabling you to develop your particular role.  A2. Explain where you are developing technological solutions to unusual or challenging problems using your knowledge and understanding, or where you are dealing with complex technical issues or situations with significant levels of risk (personal or commercial). |
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| 1. **Design, development and solving engineering problems.** |
| **Apply appropriate theoretical and practical methods to the analysis and solution of engineering problems, taking into consideration all relevant factors such as safety and the environment.** |
| B1. Give examples of where you have taken an active role in identifying and defining potential project requirements, problems, and opportunities.  B2. Describe where and how you have needed to conduct appropriate investigations and research to support the design, development and analysis required to complete an engineering task.  B3. Explain, giving examples, of where you have managed the implementation of an engineering solution and evaluated its effectiveness. |
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| 1. **Responsibility, management and leadership.** |
| **Provide technical, safety, environmental and commercial leadership.** |
| C1. Explain the process you use to plan the work and resources needed for effective implementation of a significant engineering task or project.  C2. Describe, with examples, how you manage, (organise, direct and control), programme or schedule, budget and resource elements of a significant engineering task or project.  C3. Describe how you lead teams or technical specialists and assist others to meet changing technical, safety, environmental and managerial needs.  C4. Give examples of where you bring about continuous improvement and promote best practice. |
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| 1. **Communication and interpersonal skills.** |
| **Demonstrate effective communication and interpersonal skills.** |
| D1. Provide examples of where you communicate in English with others at all levels.  D2. Describe an occasion where you presented and discussed proposals, justifications and conclusions.  D3. Give examples of where you have demonstrated personal and social skills and an awareness of diversity and inclusion issues. |
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| 1. **Personal and professional commitment.** |
| **Demonstrate personal commitment to professional standards, recognising obligations to society, the profession and the environment.** |
| E1. Explain what the various codes of conduct mean to how you perform your role and describe how you comply with relevant legislation and professional codes of conduct.  E2. Describe how you manage the safety implications of your role and manage, apply and improve safe systems of work.  E3. Provide examples of where you have undertaken engineering activities in a way that contributes to sustainable development.  E4. Show how you carry out (and record) Continuing Professional Development (CPD) necessary to maintain and enhance competence in your own area of practice.  E5. Give examples of the types of ethical issues that can arise in your role and describe how you carry out your responsibilities in an ethical manner. |
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