**RF2: Engineering Council - IEng 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 specialist nuclear engineering knowledge and understanding to apply existing and emerging technology.** |
| A1. Describe how you have maintained and extended a sound theoretical approach to the application of technology in engineering practice.  A2. Explain how you have used a sound evidence-based approach to problem solving and contributed to continuous improvement. |
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| 1. **Design, development and solving engineering problems.** |
| **Apply appropriate theoretical and practical methods to design, develop, manufacture, construct, commission, operate, maintain, decommission and re-cycle engineering processes, systems, services and products.** |
| B1. Give examples of where you have identified, reviewed and selected techniques, procedures and methods to undertake engineering tasks.  B2. Describe how you have contributed to the design and development of engineering solutions.  B3. Explain, giving examples, of how you have implemented design solutions for equipment or processes and contributed to their evaluation. |
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| 1. **Responsibility, management and leadership.** |
| **Provide technical, safety, environmental and commercial management.** |
| 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 engineering tasks or projects.  C3. Describe how you manage teams or the input of others into your own work and assist others to meet changing technical, safety, environmental and managerial needs.  C4. Give examples of where you bring about continuous improvement. |
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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. Describe your understanding of the principles of sustainable development and how you apply them in your work.  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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