# **IENG - UK-SPEC EVIDENCE FORMS**

**The requirements for registration are set out in the UK Standard for Professional Engineering Competence or UK-SPEC (4th edition), which can be viewed via** [**https://www.engc.org.uk/ukspec**](https://www.engc.org.uk/ukspec)

The criteria against which candidates are assessed at Professional Review are set down by the Engineering Council in Competence and Commitment Statements.

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| **Competence** | **A** | **Knowledge and understanding** |
|  | **B** | **Design and development of processes, systems, services and products** |
|  | **C** | **Responsibility, management or leadership** |
|  | **D** | **Communication and inter-personal skills** |
| **Commitment** | **E** | **Professional commitment** |

The UK-SPEC Evidence Forms must describe *clearly and concisely* your highways and transportation engineering background, professional achievements and responsibilities for each of the above areas. To assist you, the first two *layers* of the general statements are summarised at the top of each form.

**The forms should not exceed 2500 words in total. This should be broadly broken down into 500-word sections.**

If you have completed a training scheme accredited as satisfying Engineering Council requirements, you should find completion of the Evidence Forms a straightforward task. You may enclose a copy of your training record with the completed forms as an appendix.

CIHT has also “contextualised” the standards set by UK-SPEC to areas of knowledge and awareness relating to the disciplines in which typical CIHT members are employed. You can use the Gap Analysis document for your area of specialism to help you consider all your experience to date. You should then be able to identify the most appropriate examples to demonstrate the competences and commitment required.

It is essential that all evidence is presented clearly and concisely, including the position occupied by you, your contribution and the extent of your technical and managerial responsibility. You are encouraged to include your role in identifying any problems encountered and the evaluation and implementation of an appropriate solution. You should be able to draw on a number of examples to demonstrate your competence and commitment, not just one major example.

You and your sponsors should ensure that all component elements of the submission are grammatically correct and free of spelling mistakes.

**Appendices**

These should only contain essential evidence e.g. published papers, historical data, research or drawings (including rough drawings and calculations) that support or explain the background, a principle or development and should be clearly cross-referenced e.g. ‘Appendix A1.’ **Your appendices should not exceed 50 pages.**

**CIHT: UK-SPEC EVIDENCE FORMS (IEng)**

Number of words used for Competency A: **…/500**

**Competency A – Knowledge and understanding: This competence is about having knowledge of the technologies, standards and practices relevant to your area of practice and having evidence of maintaining and applying this knowledge. You will need to demonstrate that you:**

1. Have maintained and extended a sound theoretical approach to the application of technology in engineering practice.
2. Use a sound evidence-based approach to problem solving and contribute to continuous improvement.

**Refer to page 25 of** [UK-SPEC (4th edition)](https://www.engc.org.uk/media/3417/uk-spec-fourth-edition.pdf) **for examples of evidence.**

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Number of words used for Competency B: **…/500**

**Competency B – Design, development and solving engineering problems: This competence is about the ability to identify appropriate methods and approaches to use to undertake a task within their area of practice and to make a significant contribution to the development of a design or process or the maintenance of operations. You will need to demonstrate that you:**

1. Identify, review and select techniques, procedures and methods to undertake engineering tasks.
2. Contribute to the design and development of engineering solutions.
3. Implement design solutions for equipment or processes and contribute to their evaluation.

**Refer to page 26 of** [UK-SPEC (4th edition)](https://www.engc.org.uk/media/3417/uk-spec-fourth-edition.pdf) **for examples of evidence.**

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Number of words used for Competency C: **…/500**

**Competency C – Responsibility, management and leadership: This competence is about the ability to plan the applicant’s own work and manage or specify the work of others effectively, efficiently and in a way which provides leadership at an appropriate level, whether technical or commercial. Leadership is not necessarily about having a formal line management role. In matrix management and other types of organisational structure, where Incorporated Engineers are working within complex and varied working relationships, they will provide leadership to achieve objectives. This competence is also about the ability to consider.** **You will need to demonstrate that you:**

1. Plan the work and resources needed to enable effective implementation of engineering tasks and projects
2. Manage (organise, direct and control), programme or schedule, budget and resource elements of engineering tasks or projects
3. Manage teams, or the input of others, into own work and assist others to meet changing technical and management needs
4. Take an active role in continuous quality improvement.

**Refer to page 27 of** [UK-SPEC (4th edition)](https://www.engc.org.uk/media/3417/uk-spec-fourth-edition.pdf) **for examples of evidence.**

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Number of words used for Competency D: **…/500**

**Competency D – Communication and interpersonal skills: This is the ability to work with others constructively, to explain ideas and proposals clearly and to discuss issues objectively and constructively. You will need to demonstrate that you:**

1. Communicate effectively with others, at all levels, in English
2. Clearly present and discuss proposals, justifications and conclusions
3. Demonstrate personal and social skills and awareness of diversity and inclusion issues.

**Refer to page 28 of** [UK-SPEC (4th edition)](https://www.engc.org.uk/media/3417/uk-spec-fourth-edition.pdf) **for examples of evidence.**

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Number of words used for Commitment E: **…/500**

**Commitment E – Personal and professional commitment: This competence is about ensuring that you are acting in a professional manner in your work and in your dealings with others. An Incorporated Engineer should set a standard and example to others with regard to professionalism. You will need to demonstrate that you:**

1. Understand and comply with relevant codes of conduct
2. Understand the safety implications of your role and manage, apply and improve safe systems of work
3. Understand the principles of sustainable development and apply them in your work
4. Carry out and record the Continuing Professional Development (CPD) necessary to maintain and enhance competence in your own area of practice
5. Understand the ethical issues that may arise in your role and carry out your responsibilities in an ethical manner.

**Refer to pages 29 and 30 of** [UK-SPEC (4th edition)](https://www.engc.org.uk/media/3417/uk-spec-fourth-edition.pdf) **for examples of evidence.**

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