# **CENG - 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.

|  |  |  |
| --- | --- | --- |
| **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 (CEng)**

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

**Competency A – Knowledge and understanding: This competence is about the ability to understand underpinning technical principles relevant to your area of practice and applying them to develop technical solutions. This could involve technical solutions for novel problems or dealing with significant technical complexity. This may involve the integration of a range of technologies and consideration of other factors. This competence requires that you are maintaining and developing your knowledge in their field of practice and not just that required for specific tasks. You will need to demonstrate that you:**

1. Have maintained and extended a sound theoretical approach to enable you to develop your particular role.
2. Are developing technological solutions to unusual or challenging problems, using your knowledge and understanding and/or dealing with complex technical issues or situations with significant levels of risk.

**Refer to page 32 of** [UK-SPEC (4th edition)](https://www.engc.org.uk/media/3417/uk-spec-fourth-edition.pdf) **for examples of evidence.**

|  |
| --- |
|  |

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

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

**Competency B – Design, development and solving engineering problems: This competence is about the ability to apply engineering knowledge effectively and efficiently to the individual tasks which need to be undertaken in your role. You will need to demonstrate that you:**

1. Take an active role in the identification and definition of project requirements, problems and opportunities.
2. Can identify the appropriate investigations and research needed to undertake the design, development and analysis required to complete an engineering task and conduct these activities effectively.

**Refer to pages 33 and 34 of** [UK-SPEC (4th edition)](https://www.engc.org.uk/media/3417/uk-spec-fourth-edition.pdf) **for examples of evidence.**

|  |
| --- |
|  |

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

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

**Competency C – Responsibility, management and leadership: This competence is about the ability to plan your 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 Chartered 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 and identify improvements to quality. You will need to demonstrate that you:**

1. Plan the work and resources needed to enable effective implementation of a significant engineering task or project
2. Manage (organise, direct and control), programme or schedule, budget and resource elements of a significant engineering task or project
3. Lead teams or technical specialisms and assist others to meet changing technical and managerial needs
4. Bring about continuous quality improvement and promote best practice.

**Refer to pages 35 and 36 of** [UK-SPEC (4th edition)](https://www.engc.org.uk/media/3417/uk-spec-fourth-edition.pdf) **for examples of evidence.**

|  |
| --- |
|  |

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

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

|  |
| --- |
|  |

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

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. A Chartered 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 38 and 39 of** [UK-SPEC (4th edition)](https://www.engc.org.uk/media/3417/uk-spec-fourth-edition.pdf) **for examples of evidence.**

|  |
| --- |
|  |