# Technical Report Application Form – Stage 2

# Incorporated Engineer

# Please insert a passport sized photo here

**PERSONAL INFORMATION** *(Type or print in BLOCK CAPITALS)*

Title:Click or tap here to enter text.Surname:Click or tap here to enter text.

Forename:Click or tap here to enter text.Date of Birth:Click or tap here to enter text.

Nationality:Click or tap here to enter text.Gender: Male [ ]  Female [ ]  Prefer not to say [ ]

Full Postal Address:Click or tap here to enter text.

Click or tap here to enter text. PostcodeClick or tap here to enter text.

Telephone:Click or tap here to enter text. E-mail:Click or tap here to enter text.

CIHT or IAT Membership No: Click or tap here to enter text.Member [ ]  Fellow [ ]

Name of employer’s organisation: Click or tap here to enter text.

Employer’s address:Click or tap here to enter text.

Click or tap here to enter text.Postcode:Click or tap here to enter text.

Telephone:Click or tap here to enter text.E-mail: Click or tap here to enter text.

Job Title:Click or tap here to enter text.

**IMPORTANT UNDERTAKING TO BE SIGNED BY THE CANDIDATE**

I declare that the information in my submission is, in every respect, complete and accurate.

###### SIGNATURE **………………………………………**DATE  **………………………..…………………………....**

# SPONSORS’ AUTHENTICATION OF TECHNICAL REPORT

|  |
| --- |
| **Please √ to confirm** |
| Current relationship with candidate: | Line Manager / Client  |[ ]
|  | Professional or Business Associate / Peer |[ ]
|  | Other: Colleague  |
|  |
| I have known the candidate for: | 1-3 years |[ ]
|  | 4-10 years |[ ]
|  | >10 years |[ ]
| I have read the candidate’s Technical Report.  |[ ]
| I am familiar with the candidate’s field of practice and vouch and verify that, to the best of my knowledge, their Technical Report represents a true and accurate record of their knowledge commensurate with the Engineering Council’s AHEP learning outcomes. |[ ]

|  |
| --- |
| **Sponsor’s Details** |
| Forename: Click or tap here to enter text. | Surname: Click or tap here to enter text. |
| Job Title: Click or tap here to enter text. | Name of organisation:  |
| Company Address:   |
| Email:  | Telephone:  |
| Membership of Professional Bodies (Body & Grade): |  |
| Engineering Council registration level and number (if known):  |   |
| Signature: | Date:  |

ASSESSMENT DISCIPLINE**:**

|  |  |
| --- | --- |
| Transport planning | [ ]  |
| Materials and geotechnics | [ ]  |
| Traffic management, safety and systems engineering  | [ ]  |
| Infrastructure planning, design, construction and/or maintenance | [ ]  |
| Transport related structural engineering | [ ]  |
| Academic research and teaching, or training more generally | [ ]  |
| Research and development in highways and transportation  | [ ]  |
| Intelligent transport systems | [ ]  |
| Other (please specify) |  |

Word count

The word count for the whole report should be no more than 8000 words. Please record your total word count for each section below.

|  |  |
| --- | --- |
| Science and mathematics  |  |
| Engineering analysis |  |
| Design  |  |
| The engineer and society |  |
| Engineering practice |  |
| **Total word count (excluding appendices)** |  |

Checklist

Please ensure that the following documentation is included in your Stage 2 application and sent to education@ciht.org.uk as one comprehensive PDF file.

|  |  |
| --- | --- |
| Stage 2 Application Form (including completed Evidence Forms) | [ ]  |
| CV | [ ]  |
| 2 Year CPD Record (minimum of 25 hours for each of the 2 previous years) | [ ]  |

## Science and Mathematics

|  |
| --- |
| **Explain how you meet each learning outcome including reference to appendices** |
| **B1 – Science, mathematics and engineering principles:** Apply knowledge of mathematics, statistics, natural science and engineering principles to broadly-defined problems. Some of the knowledge will be informed by current developments in the subject of study. |
|  |
| **Word Count** |

## Engineering Analysis

|  |
| --- |
| **Explain how you meet each learning outcome including reference to appendices** |
| **B2 – Problem Analysis:** Analyse broadly-defined problems reaching substantiated conclusions using first principles of mathematics, statistics, natural science and engineering principles. |
|  |
| **B3 – Analytical tools and techniques:** Select and apply appropriate computational and analytical techniques to model broadly defined problems, recognising the limitations of the techniques employed. |
|  |
| **B4 – Technical Literature:** Select and evaluate technical literature and other sources of information to address broadly defined problems. |
|  |
| **Word Count** |

## Design and innovation

|  |
| --- |
| **Explain how you meet each learning outcome including reference to appendices** |
| **B5 – Design:** Design solutions for broadly defined problems that meet a combination of societal, user, business and customer needs as appropriate. This will involve consideration of applicable health and safety, diversity, inclusion, cultural, societal, environmental and commercial matters, codes of practice and industry standards. |
|  |
| **B6 – Integrated/systems approach** – Apply an integrated or systems approach to the solution of broadly defined problems. |
|  |
| **Word Count** |

## The engineer and society

|  |
| --- |
| **Explain how you meet each learning outcome including reference to appendices** |
| **B7 – Sustainability:** Evaluate the environmental and societal impact of solutions to broadly-defined problems. |
|  |
| **B8 – Ethics:** Identify and analyse ethical concerns and make reasoned ethical choices informed by professional codes of conduct |
|  |
| **B9 – Risk:** Use a risk management process to identify, evaluate and mitigate risks (the effects of uncertainty) associated with a particular project or activity. |
|  |
| **B10 – Security:** Adopt a holistic and proportionate approach to the mitigation of security risks |
|  |
| **B11 – Equality, diversity and inclusion:** Recognise the responsibilities, benefits and importance of supporting equality, diversity and inclusion |
|  |
| **Word Count** |

## Engineering practice

|  |
| --- |
| **Explain how you meet each learning outcome including reference to appendices** |
| **B12 – Practical and workshop skills:** Use practical laboratory and workshop skills to investigate broadly defined problems. |
|  |
| **B13 –** **Materials, equipment, technologies and processes:** Select and apply appropriate materials, equipment, engineering technologies and processes. |
|  |
| **B14 – Quality management:** Recognise the need for quality management systems and continuous improvement in the context of broadly defined problems. |
|  |
| **B15 – Engineering and project management:** Apply knowledge of engineering management principles, commercial context, project management and relevant legal matters. |
|  |
| **B16 – Teamwork:** Function effectively as an individual, and as a member or leader of a team |
|  |
| **B17 – Communication:** Communicate effectively with technical and non-technical audiences. |
|  |
| **B18 – Lifelong learning:** Plan and record self-learning and development as the foundation for lifelong learning/CPD. |
|  |
| **Word Count** |

## Appendices and bibliography

Please include a bibliography if appropriate.

Please include no more than 50 pages of appendices which should be clearly referenced in the report above