

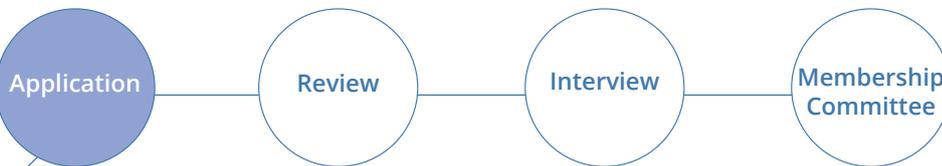
CHARTERED ENGINEER APPLICATION



The Institution for Rail Infrastructure Engineers

CEng MPWI

YOUR PWI PROFESSIONAL REGISTRATION JOURNEY



ABOUT THIS FORM

Use this form to become a registered Chartered Engineer (CEng MPWI), a professionally registered member of the Permanent Way Institution.

CANDIDATE DETAILS

Candidate name

PWI Membership number

ELIGIBILITY

In order to become a professionally registered CEng member of the PWI, you will need a four year accredited MEng (Hons) degree or a three year accredited BEng (Hons) degree plus an appropriate Masters programme/period of further learning or will have successfully completed the Technical Report Option. In addition to this you will need to demonstrate your competence and commitment applied in the railway industry by means of a Professional Review Report and Interview.

THE APPLICATION PROCESS

Please ensure you read the CEng Application Guidance Notes before beginning your application and report.

Your application and report will be subject to a review and, if successful, you will be invited to attend a Professional Review Interview where the panel will be seeking to validate the level of competence and commitment you demonstrate. Your application will then be presented to the Membership Committee for decision.

APPLICATION FORM

Complete all applicable fields in this form.

Your Professional Review Report should be approximately 5000 words, excluding any documents or appendices and typed in black with double spacing. The report should highlight your experience, responsibilities and expertise and show how each of the competences have been met. Any supporting evidence should not exceed x12 A4 pages and x3 A3 drawings. You must cross reference each paragraph / section of your report with the competency it relates to eg in a margin, at the end of a paragraph, in a section heading.

Return full application to: The Permanent Way Institution

Email: profeng@thepwi.org **Post:** PWI Central, PO Box 12890, Brentwood, CM14 9RY

For further help: +44 1277 230031 (option 2) profeng@thepwi.org www.thepwi.org

CHECKLIST

- All sections of this application form completed and signed
- Professional Review Report of c.5000 words with Sponsor declaration
- Application fee paid
- If applicable, qualification certificates and transcripts verified by Sponsor
- CPD evidence for the past three years, detailing at least 30 hours per year plus evaluation and reflection
- PDP for the current year, referencing our Code of Conduct and support to the Institution and profession
- If applicable, supporting evidence not exceeding x12 A4 pages and x3 A3 drawings

SECTION 1: About you



PART A: Personal and employment details

Personal details

Mr
 Mrs
 Miss
 Ms
 Other

First name

Surname

Date of birth

Address

Email

Home phone **Mobile phone**

Employment details

Name of employing organisation

Date appointed to company **Work phone**

Work address

Work email

Job title and Department

To whom do you report and their position

Who reports to you and how many?

Industry Classification	Industry Discipline				
	Track and ballast	Subgrade, earthworks, drainage	Bridges, tunnels, other structures	Electrification	Other (please specify below)
Environment and Sustainability					
Occupational safety					
Design					
Planning and work programme management					
Construction and installation					
Plant and equipment					
Inspection and maintenance					
Instrumentation, measurement and data management					
Research					
Engineering safety management including regulation, standards, assurance					

Background	Contractor	Client	Consultant	Other (please specify)



SECTION 1: About you

PART B: Qualification details



Please attach certified copies of your certificates with this application.

Start and finish dates	Degree / Certificate / Diploma	University / College / Training provider	Full/Part time?

SECTION 2: Competence and Commitment Evidence

What do we mean by competence?

Competence is the ability to carry out a task to an effective standard. It is about more than just being able to perform a specific task; it is being able to do it correctly, safely, effectively and consistently. To achieve this requires the right level of knowledge, understanding and skills, combined with the right values and a professional attitude.

There are five generic competence and commitment requirements for all registrants, which are specified by the Engineering Council in the UK Standard for Professional Engineering Competence (UK-SPEC).

The PWI competence and commitment criteria fully comply with UK-SPEC. The PWI require an enhanced focus on safety and candidates must demonstrate their absolute commitment to the application and continuous improvement of staff and system safety.

How do you demonstrate your competence?

You need to provide evidence to prove that you demonstrate the five professional and key personal skills required for PWI CEng registration. Through your qualifications and/or the course of your career to date, you will have gained substantial engineering knowledge, experience and skills that should help you to demonstrate your professional competence.

When completing your Professional Review Report and the following sections, include examples of how you have developed appropriate solutions to engineering problems, using new or existing technologies, through innovation, creativity and change. Discuss situations where you might have developed and applied new technologies or promoted advanced designs and design methods. Show how you have introduced new and more efficient production techniques, marketing and construction concepts, or pioneered new engineering services and management methods. Talk about your personal involvement and leadership in technical and commercial tasks and how you have worked effectively with others. Take this opportunity to stress your ability to do things correctly, safely, effectively and consistently.

The simplest way of doing this may be to select one or two fairly recent projects that will allow you to demonstrate:

- the breadth and depth of your engineering knowledge and how you apply or have applied engineering principles
- your ability to design, develop and apply or use new and emerging technologies and, in doing so, how you have improved safety
- how you lead teams and develop staff to deliver continuous improvement in safety
- how you have identified and resolved problems
- your level of responsibility and autonomy within the project or processes
- how your leadership skills have developed
- how you influence others

You should make a clear statement that you have read, understood and will abide by the PWI Code of Professional Conduct. It should also highlight your commitment to the profession, the Institution and your willingness to support others.

Please ensure you read the CEng Application form Guidance Notes for further support.



SECTION 2: Competence and Commitment Evidence



PART A: Career history

Engineering experience in current position and past employment.

Start and end dates	Employer and job title	Roles and responsibilities



SECTION 2: Competence and Commitment Evidence

PART B: Competence and commitment evidence mapping



Once you have completed your Professional Review Report, you will need to read and match each competence and commitment criteria to the evidence in your report, by identifying the relevant pages and paragraph references.

		Evidence	Reference	Page
A	1	Maintain and extend a sound theoretical approach in enabling the introduction and exploitation of new and advancing technology.		
	2	Engage in the creative and innovative development of engineering technology and continuous improvement systems.		
B	1	Identify potential projects and opportunities.		
	2	Conduct appropriate research, and undertake design and development of engineering solutions.		
	3	Manage Implementation of design solutions, and evaluate their effectiveness.		
C	1	Plan for effective project implementation.		
	2	Plan, budget, organise, direct and control tasks, people and resources.		
	3	Lead teams and develop staff to meet changing technical and managerial needs.		
	4	Bring about continuous improvement through quality management.		



SECTION 2: Competence and Commitment Evidence

PART B: Competence and commitment evidence mapping



		Evidence	Reference	Page
D	1	Communicate in English with others at all levels.		
	2	Present and discuss proposals.		
	3	Demonstrate personal and social skills.		
E	1	Comply with relevant codes of conduct.		
	2	Manage, apply and improve safe systems of work.		
	3	Undertake engineering activities in a way that contributes to sustainable development.		
	4	Carry out and record CPD necessary to maintain and enhance competence in own area of practice.		
	5	Exercise responsibilities in an ethical manner.		



SECTION 3: Declarations



Applicant and Supporter

APPLICANT DECLARATION - Please read it carefully before you sign underneath.

I, the undersigned, certify the information provided here is true, and do hereby agree in the event of my election I will be governed during my membership by the Professional Code of Conduct of the Permanent Way Institution, as they are now formed or as they may hereafter be altered.

Applicant signature

Date

Your personal data is stored on our membership database and treated with the highest confidentiality in accordance with the PWV privacy policy www.thepwi.org/uploads/privacy_policy

Supporter details and declaration

Mr Mrs Miss Ms Other

First name

Surname

Length of time you have known the applicant

Company

Job title

Date of birth

PWV membership number

Address

Email

Work phone

Mobile phone

1. The applicant uses their knowledge and understanding to perform tasks correctly, safely and effectively every time.
2. The applicant behaves in a way that maintains and enhances the reputation of the profession.
3. The applicant always demonstrates behaviours and ways of working that prioritises safety first.

Agree

Disagree

I certify that the information contained within this form is, to the best of my knowledge, true.

Supporter signature

Date



SECTION 3: Declarations



Sponsor

Sponsor details and declaration

By acting as sponsor you are confirming that:

- a) you are a chartered engineer (CEng) who is registered with the Engineering Council.
- b) you have read the application and corresponding Professional Review Report thoroughly and are in agreement with the information provided.
- c) you are satisfied with the quality of the application, including the layout, content and, in particular, the standard of English.
- d) you believe the applicant is suitable for consideration for registration as a CEng Member of the Permanent Way Institution.

Mr Mrs Miss Ms Other

First name

Surname

Class and Institution eg CEng PWI

Engineering Council Registration Number

Job title and Company

Date of birth

PWI membership number

Home address

Email

Work phone

Mobile phone

Sponsor statement of support

SPONSOR DECLARATION - Please read it carefully before you sign underneath.

I understand that by acting as sponsor I will be supporting this applicant and thus recommending the applicant to the Membership Committee as worthy of consideration for Chartered Engineer registration. Having read the PWI Code of Professional Conduct, I am of the opinion that this applicant should be considered for election to the class indicated.

Sponsor signature

Date

