

## Additional Evidence of Underpinning Knowledge & Understanding

\* To be completed by staff

Candidate Reference & Membership No.:	*	
Candidate's Employer	*	
Registration Category:	*	
Registration Co-ordinator (Name & email):	*	

**Illustrate how you have exercised your technical/engineering underpinning knowledge and understanding. You may use one or two recent projects to demonstrate that you have:**

**A comprehensive understanding of the scientific and engineering principles of your own specialism and related disciplines;**

**An awareness of developing technologies related to your own specialism;**

**A comprehensive knowledge and understanding, together with the ability to apply mathematical and computer models relevant to the engineering discipline, with an appreciation of your limitations;**

**The ability to identify, classify and describe the performance of systems and components through the use of analytical methods and modelling techniques.**

i	Describe the situation in which you were allocated responsibility for technical/ engineering decisions	
ii	Describe how you presented technical information e.g. plans and diagrams for review by other engineers in your field	
iii	Explain how you carried out a technical investigation, including the gathering of data, identification of sources; and explain the results of the investigation and how you ensured the quality of data that was used	
iv	Describe how you derived and presented the results of your investigations: for instance, describe how you used calculations, simulations, prototypes and/or engineering software to guide your technical/ engineering decisions. Explain the limitations of the techniques you used	
v	Give a brief reasoned justification for your technical/ engineering decisions	
Vi	Summarise the outcome of the project(s) and indicate how technological changes would affect your methods and/or decisions	
Candidate signature and date		
Supporter signature and date		

**You may use one additional sheet for your evidence but your response should be succinct, concise and informative**

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