

Technical Report Route for Chartered Membership / Associate

Checklist / Self-assessment for output standards

Candidate Name:

Membership Number:

CM / A Technical Report A/B:

Technical Report Title:

Date of the first Submission:

Date of supplementary submission
(if applicable):

	Output Standard	Partially met	Fully met	Paragraph number
A	Underpinning Science and Mathematics			
A1	Understanding of the scientific principles of structural engineering and related geotechnics and civil engineering aspects	☐	☐	
A2	An awareness of developing technologies in structural engineering	☐	☐	
A3	Knowledge and understanding of mathematical and computer models relevant to structural engineering, and an appreciation of their limitations	☐	☐	
B	Engineering Analysis			
B1	Ability to apply mathematical and computer based models for solving problems in structural engineering, and an ability to apply alternative approximate methods for their validation	☐	☐	
B2	Ability to use fundamental knowledge and judgement to investigate appropriate structural technologies	☐	☐	
C	Design			
C1	Ability to generate and evaluate innovative and appropriate designs	☐	☐	
C2	Knowledge and understanding of structural design processes, ranging from the development of alternative initial concepts, through subsequent modifications and development, to the details of fabrication and construction	☐	☐	
C3	Knowledge of the whole life aspects of the design of buildings and structures, including their construction, operation, adaptation and removal	☐	☐	
C4	An ability to assess structural risks, and potential modes of failure and environmental degradation	☐	☐	