

## Technical Report Route

### Stage 2: Assessment of final submission

<b>Candidate name:</b>
Membership number:
Technical Report Route A/B:
Technical Report title:

Report:	
A - Underpinning Science and mathematics	
B - Engineering analysis	
C - Design	
<b>Approval to progress to Technical Report Route Interview (Stage 3)</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
Issues to be raised at Interview if applicable:	

Assessors name (print):	
Signature:	Date:

# Assessment of output standards

	Output standard	Not met	Partially met	Fully met	Not sure
<b>A</b>	<b>Underpinning Science and Mathematics</b>				
A1	An 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>B</b>	<b>Engineering Analysis</b>				
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.				
<b>C</b>	<b>Design</b>				
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.				