

Technical Report Route for Incorporated-membership

Checklist / Self-assessment for output standards

Candidate Name:

Membership Number:

IM Technical Report A:

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	Demonstrate the accurate use of mathematics and scientific principles in a practical context			
B	Engineering Analysis			
B1	Apply quantitative methods and computer software.			
B2	Apply hand computation and computer software to the solution of structural engineering problems.			
B3	State how aspects of a project/s could have been engineered differently to effect improvement.			
C	Design			
C1	Select a project/s and define the problem/s.			
C2	Select a project/s and identify the constraints.			
C3	Prepare alternative solutions to meet project/s brief set by client/employer.			
C4	Develop and complete solutions to meet project/s brief set by client/employer.			
C5	Prepare sufficient drawings and schedules to demonstrate the effectiveness of the solution.			
D	Economic, social environmental context			
D1	Discuss commercial issues in respect of aspects of a project.			
D2	Identify and discuss economic issues in respect of aspects of a project.			
D3	Discuss environmental issues in respect of a project.			
D4	Discuss sustainability issues in respect of a project			
D5	Write a risk assessment for a project.			

	Output Standard	Partially met	Fully met	Paragraph number
D6	Awareness of relevant legal requirements governing engineering activities.			
D7	Knowledge of management techniques that may be used to achieve engineering objectives.			
E	Engineering Practice			
E1	Demonstrate the use and application of codes of practice and industry in a project/s			
E2	Show a clear use of appropriate bibliography and the internet in considering alternatives and broadening engineering knowledge.			
E3	State how personal development will be achieved in technical and industrial experience.			
F	Additional General Skills			
F1	Exercise personal responsibility, which may be as a team member.			
F2	Plan and carry out a personal programme of work.			
F3	Plan self-learning and improve performance, as the foundation for lifelong learning/CPD.			
F4	Apply skills in problem solving, communication, information retrieval, working with others and the effective use of general IT facilities.			