

## TECHNICAL REPORT ROUTE FOR REGISTRATION: SYNOPSIS

### Technical Report Title

**1. An outline of the proposed report, to include the planned structure with headings (i.e. a draft contents list).**

**Your report would normally include:**

- Describing a project you have been involved with, or
- An investigation or research project you have undertaken on some aspect of building services engineering.

**2. Where and how you will include the underpinning science and mathematics and associated building services engineering disciplines. This will normally include evidence of:**

- Understanding of the scientific principles of your own specialisation and related disciplines
- Awareness of developing technologies related to your specialism
- Knowledge and understanding of mathematical and computer models relevant to building services engineering and an appreciation of their limitations
- Understanding of concepts from a range of areas including some outside engineering, and the ability to apply them effectively in engineering projects

## SYNOPSIS (CONTINUED)

### 3. Where and how you will include engineering analysis. This will normally include evidence of:

- Ability to use fundamental knowledge to investigate new and emerging technologies
- Ability to apply mathematical and computer-based models for solving problems in engineering, and the ability to assess the limitations of particular cases
- Ability to extract data pertinent to an unfamiliar problem, and apply in its solutions using computer based engineering tools where appropriate

### 4. Where and how you will demonstrate design awareness. This will normally include evidence of:

- Knowledge and understanding of design processes and methodologies and the ability to apply and adapt them in unfamiliar situations
- Ability to generate innovative solutions for products, systems, components and processes to fulfil new needs