**TECHNICAL REPORT ROUTE FOR REGISTRATION: SYNOPSIS**

*APPLICATION FOR* **TECHNICAL REPORT ROUTE FOR IENG/CENG REGISTRATION**

**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)**

*APPLICATION FOR* **TECHNICAL REPORT ROUTE FOR IENG/CENG REGISTRATION**

1. **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
2. **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