

IMPORTANT SUPPORTING MARKING GUIDANCE

**GCE Engineering - Unit 4 - Applied Engineering Systems
 June 2011 Controlled Assessment**

Dear Head of GCE Engineering,

Please find additional guidance in awarding marks for Task D of the June 2011 GCE Engineering - 6934/01 Applied Engineering Systems controlled assessment task.

Task D requires the candidates to undertake an analysis of a design rather than create a completely new design. The specified task still requires design thinking and the application of knowledge. It also requires a full understanding of a specified electro-mechanical system which is in this instance an electric pillar drill. The final responses and analysis expected from the candidate should demonstrate an understanding of how the electro-mechanical system operates and its functional requirements.

There are 6 marks available for Task D, broken down as follows:

Mark Band 1	Mark Band 2	Mark Band 3
To gain the maximum 2 marks in Mark Band 1: Candidates show that they have a limited understanding of how the range of output speeds are achieved, with a method of circuit protection stated, but with a very limited description of how it actually protects the circuit.	To gain the maximum 4 marks in Mark Band 2: Candidates provide a detailed explanation of how the range of output speeds are achieved, together with a method of circuit protection stated, with a fuller description of how the circuit would be protected.	To gain the maximum 6 marks in Mark Band 3: Candidates provide an in-depth explanation of how the range of output speeds could be achieved, together with a method of circuit protection stated, with a full description of how that particular method actually protects the circuit.

If you have further queries regarding any of the information contained in this communication, you can contact our Customer Support team on 0844 576 0025 or send a query through our Ask the Expert service <http://www.edexcel.com/Aboutus/contact-us/Pages/home.aspx>

Yours sincerely

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