

# SAMPLE INTERNALLY ASSESSED UNIT COMMENTARY

## UNIT 6 - PRODUCTION AND MANUFACTURING





**Diploma – Principal Learning  
Engineering**

**Level 3 / Unit 6  
Production and manufacturing (ENG3U6)**

**Sample Internally Assessed Unit Commentary**

*Please note that the following internal tasks, responses and examiner commentary are provided as examples only for the purpose of assisting teachers delivering Diploma Principal Learning. A direct relationship between the marks/commentaries and a unit grade cannot be made at this stage, since grade boundaries will be determined at the award meetings at the end of each series.*

### **Level 3 Marking Exercise - Commentary**

The assignment was well focused and concise, it did not stray from the prescribed assessment criteria (in practice we may find candidates including material which is simply not in the specification). There was not a great deal of depth to the work but it did cover most of the assessment requirements. However, there were a few omissions: quality control did not detail 'accuracy' and 'precision', and although 'repeatability' is not specifically required by the AC, the concept of repeatability would perhaps emerge at the higher levels, especially in the context of CAM. The table of production planning was good, but this format constrained the 'analysis of production requirements', required by the unit. The narrative, Report to the Sales Director, was a well focused piece of writing about production systems but could have included more details of how production methods are influenced by, tooling and capital costs, the physical size of the product, continuous production, line production. The discussion of CAD might have included timing in terms responding to customer, and portability. There was no mention of added flexibility in the CAM section. Although the AC 'evaluation & assessment of production systems' were not specifically described there was evidence of this in the narrative.

Engineering manufacturing systems 15 marks

Quality control and quality assurance in the engineering sector 15 marks

Engineering production planning 20 marks

**Total 50 marks - well into Band 3**