# Unit 8 Grading criteria

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| **To achieve a pass grade the evidence must show that the learner is able to:** | **To achieve a merit grade the evidence must show that, in addition to the pass criteria, the learner is able to:** | **To achieve a distinction grade the evidence must show that, in addition to the pass and merit criteria, the learner is able to:** |
| P1 describe the operation of  the design process in an  engineering company | M1 explain the possible  impact of a poor customer  design process on  customer relationships and  requirements | D1 evaluate the impact of  legislation and standards on  the design process in relation  to the profitability of the  business |
| P2 interpret the requirements  of a given customer and  produce a product design  specification | M2 explain the importance of  using a range of accurate  design reference materials  when developing design  proposals | D2 evaluate a final design  solution against customer  requirements and a PDS, and  suggest improvements. |
| P3 describe the appropriate  legislation and standards  which apply to the design of  two different products | M3 explain the issues which  influence whether a  design proposal should be  developed into a final solution  suitable for manufacture. |  |
| P4 describe the environmental,  sustainability and  manufacturing constraints  which influence the design of  a given product |  |
| P5 produce design proposals  which meet the requirements  of a given PDS |
| P6 extract reference information  from component  manufacturers’ catalogues  and materials and design  databases |
| P7 use a range of techniques  to present a final design  solution which meets the  requirements of a given PDS  and relevant legislation and  design standards  [CT5]. |