# 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 ofthe design process in anengineering company | M1 explain the possibleimpact of a poor customerdesign process oncustomer relationships andrequirements | D1 evaluate the impact oflegislation and standards onthe design process in relationto the profitability of thebusiness |
| P2 interpret the requirementsof a given customer andproduce a product designspecification | M2 explain the importance ofusing a range of accuratedesign reference materialswhen developing designproposals | D2 evaluate a final designsolution against customerrequirements and a PDS, andsuggest improvements. |
| P3 describe the appropriatelegislation and standardswhich apply to the design oftwo different products | M3 explain the issues whichinfluence whether adesign proposal should bedeveloped into a final solutionsuitable for manufacture. |  |
| P4 describe the environmental,sustainability andmanufacturing constraintswhich influence the design ofa given product |  |
| P5 produce design proposalswhich meet the requirementsof a given PDS |
| P6 extract reference informationfrom componentmanufacturers’ cataloguesand materials and designdatabases |
| P7 use a range of techniquesto present a final designsolution which meets therequirements of a given PDSand relevant legislation anddesign standards[CT5]. |