

Principles in Engineering and Engineering Business

A PROJECT APPROACH TO DELIVERY

Powering the future

The Project Brief – Learner Copy

Standby power supplies are needed to ensure that critical systems receive continuous power in the event of power failure, for example in a hospital. Organisations can adopt different approaches to maintaining optimum performance of their standby power supply systems.

You have been asked to consider the methods used to maintain optimum system performance including:

- areas at risk from component failure
- types of failure
- design for maintenance and repair.

Your task is to:

- recommend the most appropriate methods for maintaining the standby power supply system.
- perform simple maintenance procedures to ensure optimum system performance of the standby power supply systems, following recommended maintenance procedures.

This work can be undertaken as an individual or within a team. If working within a team you are expected to contribute to each of the areas in order to gain the experience and knowledge required to successfully complete the Cambridge National in Engineering Principles in Engineering and Engineering Business.

