
Reliability And Profit Analysis of A System With Rest And Two Types of Accident

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ABSTRACT

In the present paper a two-unit cold standby system with rest and two types of accident. The regular repairman while repairing a failed unit may feel need of rest and may meet with an accident. If the accident is minor, the regular repairman leaves the repair and goes for rest/treatment. If accident is major, another regular repairman is appointed for repairing the failed units. Various measures of system effectiveness are obtained. Profit is evaluated. Comparison of the model is made with the model wherein the regular repairman is allowed to go on rest as and when he feels need of it.

Keywords: profit analysis, system failure, availability analysis