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| **Abstract:** |  |
| **Faults in an electric power system hinder the sustainability and longevity of power system components.**  **Protective devices should be well coordinated for rapid removal of fault. Transformers are expensive and critical equipment and requires full-fledge protection to ensure operational reliability. Grid transformer failure may result in a brownout of an area. This paper focuses on a power transformer fault that occurred in the Bangladesh power grid, analyses characteristics of the fault, and suggests modifications to the existing protection scheme.** | |