

ABSTRACT

Excitation system is a very important component in the generation of electrical energy, especially in synchronous machines. The role of the excitation system is to regulate reactive power and increase electricity stability. A good excitation system can withstand interference from various factors, one of which is the parameter can affect the time domain and frequency performance. For this reason, maintenance of equipment for generating system is needed, one of which is the excitation system. During the maintenance process the equipment is in a non-operational. In the process of normalizing the excitation system, normalization procedures are needed.

When operating normally in response to parameter changes that occur, a good excitation system will respond to changes with a time limit of less than 10 seconds. If the response time duration exceeds the predetermined limit, it is necessary to recalibrate the excitation equipment. Calibration is done by resetting parameter values

Keyword: excitation, parameter excitation, maintenance, start-up, time limit, calibration