



继电保护与故障信息管理系统在500 kV电网区域控制模式下的应用

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**摘要:** 介绍500 kV南宁区域控制中心继电保护与故障信息系统, 包括其系统结构、主子站设计和通讯规约。该系统基本上满足了500 kV电压等级远方集中监控的电网管理新模式对故障信息系统安全稳定性的要求, 其可靠性、可用性及实用性也在应用实践中得到了验证。但目前系统仍存在的一些问题, 有待进一步升级改造。

**关键词:** 故障信息系统; 区域控制; 子站; 主站; 通讯

Application of Relay Protection and Fault Information System in the 500 kV Regional Control Mode

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**Abstract:** This paper introduces the relay protection and fault information system in Nanning 500 kV Regional Control Center, including the system structure, design of master station and communication protocol. The system meets basically the request on security and stability in the remote centralized control mode on 500 kV voltage level. Its reliability, usability and stability have been validated in practice. There are still some problems in the system to be further improved and promoted.

**Keywords:** relay protection fault information system; regional control; substation; master station; communication

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