Intelligent Relay Protection Operation and Maintenance

Overview

In order to solve the current network limitations and human-computer interaction limitations of relay protection and automation in power systems, an intelligent operation and maintenance management platform for electrical secondary equipment based on mobile sensing and big data. In order to solve the current network limitations and human-computer interaction limitations of relay protection and automation in power systems, an intelligent operation and maintenance management platform for electrical secondary equipment based on mobile sensing and big data. In order to solve the current network limitations and human-computer interaction limitations of relay protection and automation in power systems, an intelligent operation and maintenance management platform for electrical secondary equipment based on mobile sensing and big data is proposed. First. Shikoku Electric Power CO., INC created a 66kV framework, and the results of a field experiment show that this framework is capable of managing, coordinating check, and improving setting values while being able to completely evaluate power framework characteristics continuously. Power framework. According to the work content of relay protection outage maintenance, a remote maintenance scheme covering all work items of relay protection routine maintenance is proposed; Combined with the status monitoring information and remote test results of secondary equipment in intelligent substation. Then, due to the particularity of historical statistical data, a weight calculation method combining analytical hierarchy process (AHP) and entropy weight method is adopted to eliminate subjective factors in the weight calculation process. Meanwhile, the equipment operation risk level was.

Article Content

Operation and maintenance of relay protection in power engineering

This paper meticulously examines the operational principles and maintenance strategies of relay protection in power systems, analyzing the critical role of relay protection devices in ensuring power

Safety and Reliability Evaluation Method for Intelligent Operation and ...

In this paper, an intelligent operation and maintenance security reliability evaluation method based on situation awareness of relay protection devices is proposed, which fully considers

Integration and Coordination Strategy of Relay Protection System in ...

In the smart grid, a distributed intelligent control system is introduced to improve the response speed and reliability of the centralized relay protection system.

Intelligent Mobile Operation and Maintenance Technology and its ...

The reliable operation of the relay protection equipment and its secondary circuit is an important factor to ensure the safety and stability of power grid. It is of great significance to improve the operation and

Research on Operation and Maintenance Technology of Relay

The intelligent operation and maintenance of relay protection combines the current mainstream fifth-generation wireless communication private network technology.

State evaluation and intelligent operation and maintenance of relay ...

In order to understand the status evaluation and intelligent operation and maintenance system of relay protection systems, research on information monitoring based status evaluation and

State evaluation and intelligent operation and maintenance of relay ...

In order to solve the current network limitations and human-computer interaction limitations of relay protection and automation in power systems, an intelligent operation and

Frontiers | Strategy for evaluating the status of relay protection ...

Based on the operation specifications of relay protection devices and practical operation and maintenance experience, the evaluation level boundary standards of relay protection state

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Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Microsoft Word

Abstract. In order to solve the current network limitations and human-computer interaction limitations of relay protection and automation in power systems, an intelligent operation

Research on Real-time Reliability of Relay Protection System in ...

Combining the Markov algorithm model with the GO method, the reliability of the relay protection system is calculated and analyzed, enabling the on-site operation and maintenance personnel to grasp the

Research on Remote Maintenance Technology of Relay Protection in

Abstract. According to the work content of relay protection outage maintenance, a remote maintenance scheme covering all work items of relay protection routine maintenance is proposed; Combined with

State evaluation and intelligent operation and maintenance of relay ...

The structure and working mode of the relay protection system were analyzed, and common fault types of the relay protection system were studied and summarized, laying the foundation for analyzing the

(PDF) Smart Operation and Maintenance Platform of

In order to solve the current network limitations and human-computer interaction limitations of relay protection and automation in power systems, an

Intelligent mobile operation and maintenance technology and its ...

In this paper, the design of relay protection intelligent mobile operation and maintenance management system based on power wireless virtual private network is elaborated, including the ...

Operation and Maintenance Technology of Relay Protection

With the scale of the power grid is becoming larger and larger. The corresponding operation and maintenance work of the distribution network is becoming increasingly intelligent, which also puts

Intelligent Operation Control System of Relay Protection Based on Big ...

The intelligent control system of relay protection is to integrate the factory data, test data, operation data and operation data of relay protection equipment, and create the big data platform of relay protection

Research on Remote Maintenance Technology of Relay Protection in

This paper presents a technical scheme for remote maintenance of relay protection in smart substation to realize remote operation and maintenance of protection equipment.

Research on the Improvement of Operation and Maintenance

The problems in protection operation and maintenance are mainly reflected in the low efficiency of secondary circuit safety measure and verification, as well as the difficulty in online

Improvement Strategy to Improve Relay Protection ...

However, relay protection determines whether smart substations can achieve efficient operation.

Frontiers | Strategy for evaluating the status of relay

To overcome the shortcomings mentioned above, this paper proposes a relay protection equipment status evaluation strategy for the new generation of

Research on Intelligent Operation and Maintenance System for Relay ...

The whole structure that must be considered for protective operation inside Brilliant Network is laid out in this article, along with the assessment methods that were applied in both blamed and regular scenarios.

A Remote Upgrade and Maintenance Method for Relay Protection

With the rapid development of new power systems, the demand for intelligent operation and maintenance of relay protection devices has become increasingly urgent. Traditional operation and

Research and Application of Intelligent Maintenance of Relay Protection ...

Through high-capacity mobile communication network, high-speed wireless network and various mobile terminals, the operation and maintenance mode of relay protection and circuit

Smart Operation and Maintenance Platform of Protection Relay Based

Abstract In order to solve the current network limitations and human-computer interaction limitations of relay protection and automation in power systems, an intelligent operation and

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