

The 13<sup>th</sup> International Workshop on Electric Power Control Centers  
Bled, Slovenia, May 17-20, 2015

## Key Technologies of Management Function Integrated into Real-time System in Distribution Automation System

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### **Abstract**

The former DMS system often neglects the importance of management functions so that the users don't have suitable tools to deal with daily operation and management.

In order to solve the problem and to meet the needs of the customers we developed a new generation distribution automation and management system which not only contains traditional SCADA real-time application functions but also integrates with the management platform to support the distribution network daily operations such as planning, scheduling, management, service and other comprehensive applications.

On the other hand, With the deployment of smart power grid system and information technologies, the power control system is expanding its monitoring scope and increasing its dependence on computing platform flexibility.

We develop a new generation scada application with decoupling real time database, network communication and unified model index technologies to make the platform architecture more flexible and fulfill the requirements.

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