

## Abstract Submission for The IERE – SPC China Forum & General Meeting

Title: Development of a new Distribution Automation System (DAS)

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Abstract:

Recently, the modern automation technologies for distribution power system operation by computer systems in China have been quickly implemented to its network. Authors have been involved with 7 of these projects, located at 7 sites, which are already commissioned, or to be commissioning in the near by future.

This paper introduces the major features and functionality of our state-of-art Distribution Automation System (DAS), named TOSCAN-D3000C, which we have developed lately.

Our new system has capabilities to support operators by layer-integrated displays of geographical information with real-time distribution facility status information, and to support a function of automatic recovery for unexpected delivery problems to distribution customers. This new system will minimize the duration of out-of-service time upon failures and can support other sophisticated functions.

In addition, we are moving on to the development of the next stage for some additional functions, to further improve our DAS product functionality, and to establish the capability to offer total system solutions with combination of distribution automation equipment, such as Telecontrol Remote Unit (TCR), Remote Terminal Unit (RTU) and Switch Gears.