

HOW TO MAKE THE GOOSE MESSAGES TO SOLVE THE INTEROPERABILITY BETWEEN AREVA AND SEL IEDS

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Tóm tắt bằng tiếng Việt:

IEC61850 Goose communication has been used successfully in a lot of different applications for recent years. It is available in IEDs together with software tools which provide new features, and especially helpful for testing or interoperability.

In this paper, we presents the applicability of network topology, network media, configuration TCP/IP on PC, PC tools and the challenges of different IED manufacturers when their goose messages is publishing or subscribing in slightly different ways. In this way, creating a goose message system enable implement in substation by software tools of SEL and AREVA such as AcSELERator Quickset, AcSELERator Architect, and MiCOM S1 Agile that were used to configure the IEDs (P445, SEL421 and P643). In addition, ISA DRT66's TDM was used to inject current and voltage signals for testing goose messages on the network. Consequently, the proposed approach helps to perceive interoperability issues, eliminate copper wires and expand system functionality and capabilities.

Từ khóa: Relay Protection; IEC61850; Goose Message; Ethernet; IP Address

Tóm tắt bằng tiếng Anh:

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