

AUTOMATED WIDE AREA SCREENING ANALYSIS FOR PROTECTIVE RELAYS

Moving Forward with Automation

Our combination of system protection and software development expertise enables us to offer both innovative and automated solutions for your relay settings development and wide area coordination processes.



Perform Wide Area Screening Analysis of Protective Relays



Identify Weaknesses in the Protection System



Utilize Automation Scripts to Cross-check Results



Automate Reports for Easy NERC Reporting

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Moving Forward with Automation

Audit the sensitivity, selectivity, and security of protective relays' performance utilizing automation techniques. As a result, we can uncover weaknesses and errors that could cause mis-operations as well as cascading blackouts. SynchroGrid's rigorous scanning techniques ensure reliable protection operation, maximum system security, and PRC-027-1 compliance.



VERIFY model accuracy by cross-checking data located in ASPEN and other databases.



IDENTIFY out-of-sequence, out-of-order, and CTI violation operations for relays that operate outside their zone of protection.



UNCOVER weaknesses and limitations in the performance of protective relays by performing a wide area screening analysis.



DETECT correct sensitivity of breaker failure and ground overcurrent pickups by performing sensitivity studies.



GENERATE customized compliance reports for PRC-023 requirements, firmware ID reports, minimum trip time reports, settings summaries, etc.

SynchroGrid offers a wealth of knowledge gained from years of experience in the field, creating and implementing wide area coordination processes.

