

# 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

# AUTOMATED WIDE AREA SCREENING ANALYSIS OF PROTECTIVE RELAYS

## *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.

