SG **SynchroGrid**
Powering A New Direction In System Protection

doble
PowerBase™

ASPEN

S **SARA**

INTEROPERABILITY OF
SYSTEM PROTECTION SOFTWARE

Automated Relay Model Updates

Using sophisticated software algorithms, SynchroGrid can easily link thousands of relays between short circuit models and relay databases, such as ASPEN OneLiner, ASPEN RDB, and PowerBase. These links keep the model updated and always ready for NERC Compliance studies.

Automatically Update Relay Settings With Only a Few Clicks

Transfer Relay Data Between Databases and ASPEN OneLiner

Consistently Update to Save Setup Time for any Compliance Study

Establish a Modernized Process to Comply With NERC PRC-027

INTEROPERABILITY OF
SYSTEM PROTECTION SOFTWARE

Automated Relay Model Updates

With seamless interaction between system protection software, data is accurately and efficiently exchanged, engineering resources are less strained, and compliance requirements such as NERC PRC-027-1 R1 and R2 are more easily met.

REDUCE ERRORS. By augmenting engineering expertise, SynchroGrid's automation process automatically links relay settings between programs, thus reducing human error.

INCREASE EFFICIENCY. An entire database can be matched in a fraction of the time, so teams of engineers can increase productivity by always getting an up-to-date model.

REDUCE COMPLEXITY. SynchroGrid's team of experts has extensive experience reducing the complexity of linking projects and mitigating risk, so utilities no longer struggle with the insurmountable task of setting up links.

STREAMLINE COMPLIANCE. With relay linking, engineers can now run large coordination studies without worrying about not having up-to-date relay settings.

SynchroGrid offers a wealth of knowledge gained from years of experience in the field, creating and implementing relay setting development processes.

Relay Setting Database

Retrieve database locations

Relay Mapping Algorithm

Match with regular expression transformations

Match with approximate string comparison

Match using topology analysis

Match with relay settings recalculation

Final summary

Assign confidence scores

Setting calculation

Short Circuit Model

SARA