



NERC COMPLIANCE SERVICES

Your power and energy
partner for comprehensive
engineered solutions.

CE POWER

A Qualus Power Services Company



NERC SERVICES
"YOUR NERC SERVICES PARTNER"



WHAT IS NERC?

The North American Electric Reliability Corporation, or NERC, assures the reliability of the bulk-power system in North America. Overseen by the Federal Energy Regulatory Commission (FERC), it formulates planning guides and operating procedures necessary to prevent large-scale outages.

After one such outage in 2003, which resulted in a blackout that affected 55 million people and included numerous fatalities, the Energy Policy Act of 2005 called for the creation of an Electric Reliability Organization (ERO) to develop and enforce compliance with mandatory reliability standards in the United States. NERC was approved as the ERO by FERC in July 2006.

FERC approved 83 NERC reliability standards in March 2007, making them the first set of legally enforceable standards for the U.S. bulk power system effective on June 2007.

Understanding the modern electric grid can be complex and confusing. There are four electrical interconnects in North America (Eastern, Western, Texas, and Quebec) and eight regional entities (FRCC, MRO, NPCC, RF, SERC, SPP RE, Texas RE, and WECC). Collectively they are responsible for the development of standards, enforcing compliance, assessing resource adequacy, and providing training to ensure grid reliability.

WHY COMPLIANCE MATTERS

Compliance is the law. Failure to meet those obligations can result in hefty fines—money that could be used for security or needed upgrades. Downgrading your infrastructure so that it doesn't fall under NERC domain makes poor business sense. Outdated solutions will require increasingly rare specialization and make you that much less efficient.

THE LONGER YOU DELAY COMPLIANCE, THE MORE PAINFUL IT'S GOING TO BE—AND THE MORE VULNERABLE YOU ARE IN THE MEANTIME.

ECONOMIC AND OPERATIONAL SECURITY

Maintaining the integrity of electrical infrastructure is vital to not only the public, but to your business. Secure and properly configured systems will not only make compliance easier, but lower administrative costs overall. You need more than an auditor. You need a partner who can provide you with comprehensive guidance and support for the technical requirements of NERC.

A UNIQUE ONE-STOP SOLUTION

CE Power is a NETA-accredited provider of technical compliance solutions. We can help you with gap analysis, maintenance, testing, engineering, identification of failures or changes in protection and control schemes, and all documentation and maintenance requirements necessary to securing the integrity of your electrical infrastructure.

Many companies that offer auditing, compliance support or training do not have the in-house technical capabilities required by some NERC standards. Our NERC expertise covers these technical requirements, start to finish. We are your partner, committed to your long-term security and success.

Analysis

- Gap analysis
- Required vs. recommended maintenance
- Coordination of protection systems
- Relay and protective device settings review
- Interconnect requirements review
- Design review
- Professional engineer services

Planning

- Budget planning
- Upgrade requirements
- Owner's engineer
- O&M requirements
- Maintenance programs
- Expansion / capacity verification

Execution

- Installation services up to 500kV
- System design/build solutions
- Communication programming / terminations
- Network design / programming
- Design and application engineering
- Testing and maintenance
- Commissioning / acceptance testing
- Drawings and project closeout

Auditing

- RASW creation and analysis
- Mock audits
- Documentation control
- Historical archive
- Engineering interpretation
- Test report analysis



NERC STANDARD DESCRIPTION

PRC001	System protection coordination
PRC002	Disturbance monitoring
PRC005	Protection system maintenance
PRC006	Automatic ULFS
PRC008	ULFS documentation and maintenance
PRC017	Special protection system maintenance and testing
PRC018	Disturbance-monitoring equipment installation and data reporting
PRC019	Coordination of generating unit or plant capabilities, voltage-regulating controls, and protection
PRC023	Transmission relay loadability
PRC024	Generator frequency and voltage protective relay settings
PRC025	Generator relay loadability
PRC026	Relay performance during stable power swings
PRC027	Coordination of protection systems for performance during faults
VAR001	Voltage and reactive control
VAR002	Generator operation for maintaining network voltage schedules
PER006	Specific training for personnel
MOD025	Verification of generator gross and net real power capability
MOD026	Generator excitation control system of plant volt/var control functions
MOD027	Turbine/governor and load control or active power/frequency control functions
MOD032	Data for power system modeling and analysis

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LOCATIONS

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CE POWER
SOLUTIONS
A Qualus Power Services Company

- Merrillville, IN
- Louisville, KY
- Westborough, MA
- Middle River, MD
- Gorham, ME
- Brighton, MI
- Brooklyn Park, MN
- Eveleth, MN
- Cincinnati, OH
- Fairfield, OH
- Ivyland, PA
- Knoxville, TN
- Nashville, TN
- Austin, TX
- Davie, FL
- Tampa, FL
- Hebron, KY