

NERC compliance: is your organization prepared?



Compliance preparation for today and the future

KEMA's Electricity Transmission & Distribution services include:

- > Strategy and governance
- > Power systems planning
- > Power links
- > Substation projects
- > Asset management and inspections
- > Digital inspections
- > Energy storage
- > System design and analysis

Users, owners, and operators of the bulk electric system are required to comply with the North American Reliability Corporation (NERC) Reliability Standards. Compliance is monitored through audit and self reporting.

Ensuring compliance to these ever-changing standards can be a challenge. Failure to comply with the NERC Reliability Standards can result in significant financial penalties and undesirable public attention. Prudent entities understand the crucial need to minimize risks associated with non-compliance.

A holistic approach to compliance

KEMA's compliance services help to ensure our clients understand their present responsibilities as required by the Reliability Standards, while guiding them to achieve and sustain compliance on an ongoing basis. We provide this expert guidance as an independent and impartial third party.

KEMA's compliance services include:

- > Evidence gap analysis — identify where objective evidence may be needed or strengthened to prove compliance with applicable NERC Reliability Standards and regional standards.
- > Mitigation plan development and implementation — develop plans for non-compliant discoveries and create processes, procedures, and reports as evidence to show compliance.
- > Compliance program development and assessment — define a comprehensive, effective compliance program according to the Federal Energy Regulatory Commission and regional guidelines and assess an existing compliance program.
- > Mock audit — review client's objective evidence as if it were presented during a Regional Entity's actual audit (conducted after the gap analysis and mitigation preparation phases have been completed).
- > Compliance monitoring — establish easy processes to track compliance continuously or perform compliance monitoring as an out-sourced service.
- > Training — provide procedural training for personnel directly responsible for compliance; provide awareness training to foster a sustainable compliance program; and host CIP workshops tailored to client needs.

- > Cyber vulnerability assessments — perform assessments according to NERC critical infrastructure protection (CIP) requirements (CIP-005 and CIP-007), including best practices to gain a clear understanding of the client's security posture, and how to improve it, if necessary.



About KEMA

Founded in 1927, KEMA is a global provider of business and technical consulting, operational support, measurement and inspection, and testing and certification for the energy and utility industry. With world headquarters in Arnhem, the Netherlands, KEMA employs more than 1,700 professionals globally with offices and representatives in more than 20 countries. KEMA's U.S. subsidiary, KEMA Inc. is headquartered in Burlington, Massachusetts, and serves energy clients throughout the Americas and Caribbean.

Efficient and cost-effective tools

KEMA has developed a proprietary assessor tool and database, which captures and stores objective evidence and generates a master assessment report and an action-item report to guide mitigation work. The assessor tool coupled with our expertise has provided comprehensive and cost-effective services to our clients.

KEMA also offers a subscription service, which informs clients of changes to both existing applicable standards and newly approved standards, so that procedures can be adjusted or relevant evidence can be captured.

Proven expertise and keen insights into NERC compliance

KEMA has provided compliance services for more than 110 projects across the nation, demonstrating the confidence clients have in our capabilities. In addition, KEMA consultants offer keen insights into compliance through extensive industry experience. Our consultants have even served on NERC Standard Drafting Teams and as an interim compliance manager for a large entity.

A trusted advisor for the long term

Reliability Standards can often have an impact on other aspects of operations and planning. Our consultants' expertise span multiple areas, including protection systems, power system analysis, energy control systems, asset management, smart grid, regulation, communication networks, and more. KEMA is able to address all potential NERC compliance issues that may arise and offer a higher level of compliance services to our clients. Not only are we a trusted advisor in the present, but also for future needs.

For more information, please contact us:

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Learn more about KEMA's compliance services:

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