

Third-Party Acceptance Testing



Acceptance Testing for Safe and Compliant Energization

Acceptance testing verifies that the system meets all design specifications, industry standards, and safety codes. It offers an opportunity to uncover problems and make corrections before they escalate and become more costly.

Proactively identifying these issues through acceptance testing yields significant cost, time, and safety benefits.

Common Issues Identified by Acceptance Testing:

- Incorrect Settings of Circuit Breakers and Relays
- Improper Relay Logic
- Wrong CT/PT Ratios
- Failure of Cabling
- Wrong Transformer Taps/Improper Ratios
- Compromised Insulation/Moisture Issues
- Improper Grounding
- Improperly Assembled Switchgear Bus Connections



Project-Specified Third-Party Testing

An extra set of eyes is never a bad idea, and third-party acceptance testing is an opportunity to ensure that work has been done accurately, safely, and up to code.

Why the emphasis on independence? InterNational Electrical Testing Association Standard for Acceptance Testing Specifications (ANSI/NETA ATS) recognize the importance of objectivity and has made independent testing a best practice. Third-party testing ensures that qualified professionals, free from potential conflicts of interest, have performed an objective assessment of the electrical system's functionality and adherence to code.

Recognizing the critical role independent evaluation plays in safeguarding systems, many facility owners and engineers incorporate third-party testing as a mandatory project element.

High Voltage Maintenance (HVM) has a highly skilled, NETA-certified team of testing specialists and technicians with the knowledge and experience to coordinate thorough and accurate Acceptance Testing, protecting equipment, operational integrity, and facility safety. HVM Acceptance Testing ensures quality installation, supports safer startup, maximizes operating efficiency, enhances system integration, and improves the accuracy of baseline data.

HVM Acceptance Testing Services

Electrical System Acceptance Testing

Maximize system uptime and avoid costly interruptions with our comprehensive electrical power system assessment. We perform detailed visual and mechanical inspections, preventing unexpected downtime by ensuring that all equipment and connections are in top condition.

Switchgear Acceptance Testing

Our comprehensive verification process prevents unexpected outages by ensuring that switchgear, the backbone an electrical system, operates flawlessly. Additionally, we confirm that equipment can safely manage surges and short circuits, protecting critical systems.

Circuit Breaker Acceptance Testing

Our team will perform visual and mechanical inspections, and contact resistance and pickup/timing tests to ensure your circuit breakers are in the best possible operating condition.

ANSI/NETA ATS Procedures and Standards

From visual inspections all the way to advanced dielectric withstand voltage testing, each step of our multi-faceted acceptance testing process adhere to the industry standards defined by the InterNational Electrical Testing Association Standard for Acceptance Testing Specifications (ANSI/NETA ATS). Our team of NETA-certified technicians is committed to keeping your systems running efficiently, safely, and continuously compliant with industry standards.

Industry Accreditation, Certifications, and Affiliations



Summary

Electrical system acceptance testing is a crucial investment that ensures the safety, reliability, and durability of electrical infrastructure.

Independent, third-party testing provides an objective assessment, and is an ANSI/NETA ATS best practice.

Many site owners and engineers will require independent testing as a project requirement, requiring contractors to be prepared with trusted and experienced service partners.

Experts in Electrical Reliability

HVM's Acceptance Testing team offers unparalleled expertise and provides consistent quality service while ensuring safety and compliance.

More Information

To learn more about our Third-Party Acceptance Testing services, contact your local service center, visit HVM.vertiv.com, or call: 866-HVM-TEAM (486-8326).