



SENIOR ELECTRICAL FIELD SERVICE TEST TECHNICIAN

JET Electrical Testing, LLC is seeking experienced electrical test technicians for the positions of **Senior Field Service Test Technician**. We are a growing IBEW (Union), electrical testing company located near Trenton in Hamilton, New Jersey. Most of our work is located in New Jersey, with some work in New York, Connecticut, Delaware and Pennsylvania. We feature good pay (including significant overtime), benefits (paid through the local union hall), training and a clear path for ascension. Overnight travel is rare.

Requirements:

- Possess a high level of technical expertise as applied to electric transmission and distribution equipment facilities.
- Must be fully knowledgeable with the National Electrical Code, National Electric Safety Code, Fall Protection, LOTO, OSHA Regulation, Confined Spaces, ARC Flash, Shock Hazards, Safe Work Practices and are experienced working in energized high voltage facilities.
- A graduate Electrical Engineer or trained technician with at least ten (10) years of relevant experience.
- Able to read, modify and interpret all types of electrical drawing, schematics, wiring diagrams and logic diagrams.
- Familiar with all types of test equipment including, but not limited to, circuit breaker timing apparatus, high potential AC and DC test equipment, high current/low impedance ohmmeters, digital multi-meters, relay test apparatus, power quality metering.
- Possess good computer skills, including MS-Word, MS-Excel, Windows and be willing to learn new software packages as they appear. AutoCAD a plus but not expected.
- Will be required to perform the work in an IBEW union environment.
- Must have a valid and clean driver's license.
- Must have good work ethic.
- Good communication and interpersonal skills.
- Must have a clean record and be able to obtain a CDL, TWIC and/or similar document needed.
- Must pass Pre-hire Drug Screen and background check.

Duties & Responsibilities (not limited to):

- Perform troubleshooting and problem identification and analysis. Make recommendations regarding corrective action and/or repairs.
- Closing and opening of circuit breakers from local control switch.
- Closing and opening of circuit breakers from a SCADA system.
- Tripping of circuit breakers from a protective relay system.
- Operational verification for all internal circuit breaker controls and alarms.
- Verification of all AC and DC relay wiring.



- Verification of current transformer (CT) wiring ratio and polarity from the CT to the relays.
- Settings applied to all programmable relays and instruments (calculation of setting are by the System Protection Engineers).
- Simulation and verification of all potential device wiring CCVT's and PT's from the potential service to the relay or instrument connected to such devices.
- Verification of all systems associated with power transformers (load tap changers (LTC's), fans, pumps, alarms, sudden pressure relays, controls).
- Operational verification of electrical or mechanical safety interlock systems.
- Verification of SCADA inputs and outputs.
- Operational verification of auxiliary power systems including, generators, bus transfer and other equipment.
- Operational verification of relay protective schemes including, breaker failure, transfer trip (Tone and Fiber), bus differential, transformer differential, line protection schemes.
- Mark up of project drawings to reflect as built/modified conditions includes as required: cable diagrams, schematics, wiring diagrams, relay rack arrangements and physical layout drawings; actual CAD updates will be performed by others from marked prints.
- Perform troubleshooting and problem identification and analysis. Make recommendations regarding corrective action and/or repairs.
- Generate technical reports detailing services provided, problems found, and corrective action taken or recommended.
- Electronic relay setting review and modification (SEL, Multilin, Siprotec, etc.)
- Circuit tracing and verification.
- Additional activities on an as required basis such as but not limited to:
 - Electrical tests (Hi-pot, Doble, TTR, Ductor, Megger)
 - Battery voltage regulator set-up.
 - Battery electrolyte quality.
 - Aux power transformer tap set-up.
 - Operational verification of both manual and motor operated disconnects.

To Apply:

Forward Resume and Cover Letter to:

JET Electrical Testing, LLC
100 Lenox Drive, Suite 100
Lawrenceville, NJ 08648
Attn: Joseph Vasta

Email: jvasta@jetelectricaltesting.com