

# TEST AND TURN-UP CERTIFICATION

NetPerform™ Deployment Services



## KEY FEATURES

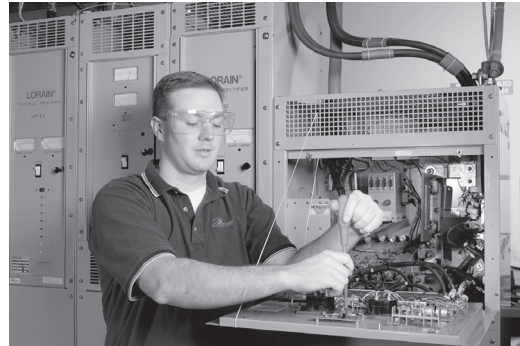
- Verification of proper installation and equipment settings
- Assessment can include multi-vendor equipment
- Verify installation to Telecordia GR1275 or other customer specified standards
- Reduced risk of long-term damage
- Complete Test and Turn-up report available online

Ensure proper installation and power plant integrity

## Product Overview

At Vertiv™, we provide quality services to our clients to ensure that power equipment is installed properly and identify deficiencies before disaster strikes. We know the risks that improper system configuration can pose to your equipment and business. That's why even if a third party has installed your system, you can depend on us to perform testing and verification of that equipment.

Vertiv's test and turn up service helps you identify problems before they occur. It also provides the security of knowing that your system is problem free prior to turn up. The test and turn up certification is part of our family of NetPerform™ service solutions for network infrastructures. It is a flat-rate pricing program for your DC power equipment. Our teams of dedicated field service engineers are highly trained to perform our full service offering to support your entire network infrastructure.



## Standard program equipment check-out

### Rectifiers

- Adjust and set rectifier points according to battery manufacturers' specifications
- Adjust alarms to customer specifications
- Measure voltages of rectifiers
- Verify all DC wiring and AC wiring to the rectifiers for proper installation practices
- Verify proper working condition of power plant for turn-up of plant
- Verify input AC voltage and DC current/voltage
- Verify output AC voltage and DC current/voltage
- Verify proper meter readings
- Verify float, equalize, and current limit to customer specifications
- Verify reporting of pre-installed alarms

## Power board/supplemental bay and battery distribution fuse bay (where applicable)

- Verify high-voltage shutdown set-point to customer specification
- Verify high-voltage shutdown restart set-point to customer specification
- Verify low-voltage disconnect set-point to customer specification
- Verify high-voltage alarm set-point to customer specification
- Verify low-voltage alarm set-point to customer specification
- Verify low-current alarm set-point to customer specification
- Verify power alarms to their remote alarm point

### Batteries

- Remove all construction duct from batteries and rack, following manufacturer's recommended cleaning practices
- Perform and record ohmic measurement readings
- Take initial cell voltage readings
- Verify battery connections are properly torqued per manufacturer's specifications, as provided by the customer
- Verify batteries are strapped properly

## Monitoring unit

- Check all analog inputs for calibration (i.e., volts, current, temperature, amps, etc.)
- Check all binary input for proper operation
- Check all relay output for proper alarm trigger
- Verify all required connections are properly terminated
- Verify any required programming

## Manage site maintenance with our exclusive FreedomCare Secure Website

Vertiv™ sets the standard for taking care of communications infrastructure networks with our secure customer Web site, FreedomCare. Available exclusively to Vertiv Preventive Maintenance customers, the site provides the capability to view and download service and maintenance visit reports.

Subscribers can log on for immediate access to power equipment inventory and history, trending analysis, availability metrics, capacity levels, and critical corrective action plans —details that enable informed decisions about communications networks. Customers may request an account or login at: [secure.VertivCo.com](https://secure.VertivCo.com)