



NERC CIP Cyber Security Using Orion

The OrionLX and Orion5rL Substation Automation Platforms can be used as hardened encryption gateways to provide access controls to intelligent electronic devices (IEDs) in remote electrical substations as per NERC CIP requirements without the need for special environment or electrical conditioning.

New! Overview Video

[Overview of Passwords, Authentication, Firewall, Encryption and Logging](#)

Secure Communication Functions

- Firewall blocks unauthorized clients
- Strong password creation and maintenance tools restrict access to authorized users
- LDAP and Radius support enable passwords to be maintained in a single enterprise location
- Encrypted communication and key management conceal transaction details
- Extensive alarm and event logging captures authorized and unauthorized activity

OrionLX and Orion5rL are designed to operate with existing secure devices in the IT infrastructure, including upstream routers and PCs. The entire Orion Cyber Security architecture is based upon open, industry-standard hardware and software to ensure compatibility.

Overview Video