

## Substation and Distribution Automation IED Manager Suite software



# IED Manager Suite software

## Improve reliability. Reduce maintenance costs. Meet NERC CIP requirements.

Eaton's IED Manager Suite (IMS) software provides reliability, security and compliance for utility automation systems. It helps utilities manage configuration settings, passwords and firmware of the intelligent electronic devices (IEDs) used in substation and distribution automation systems. It reduces maintenance costs through secure remote access and helps comply with NERC CIP.

### Secure, enterprise-wide data access

IMS supports IEDs from most vendors, including Eaton, SEL, GE and others. Not only does it integrate all IEDs into a cohesive, manageable whole, it also provides complete enterprise-wide access to operational and non-operational data in a highly secure environment.

IMS automatically tracks, collects, stores and publishes available IED data and asset information, such as:

- IED settings, firmware and hardware information
- Power system events, fault records, SOE and oscillography files
- Real-time operational data for asset monitoring and business intelligence

### IED asset management for substation automation

In addition to data access, the network infrastructure provides the capability to perform remote maintenance, significantly reducing costs. However, this introduces significant security risks that require industry-specific solutions in order to meet NERC CIP regulatory requirements. IMS provides field-proven solutions to maximize the capabilities of modern IEDs, while helping ensure NERC CIP compliance.

IMS provides enterprise single sign-on capability to IEDs. Users no longer need to know IED passwords and can connect to devices using their standard corporate credentials.

Additionally, IMS implements role-based access control, managing access by user, by group, by regions, by substation, and by IED.

IMS provides users at the substation or enterprise level with secure NERC CIP compliant access to remote devices, using familiar vendor tools, as if they were connected directly to the IED.

IMS provides a comprehensive set of tools and reports to manage IED passwords and help meet regulatory requirements. Password management is a key requirement of all security programs such as NERC CIP.

### IED asset management for distribution automation

Devices are deployed in widely distributed geographical areas and maintenance often requires expensive truck rolls.

Operations need to be performed simultaneously on a large number of devices to change seasonal settings and perform firmware updates to address security or operational issues.

Communications are often slow and failure prone, requiring multiple retries. IMS provides distribution operators with tools to automate the most time-consuming maintenance operations.



Powering Business Worldwide

## IMS modules

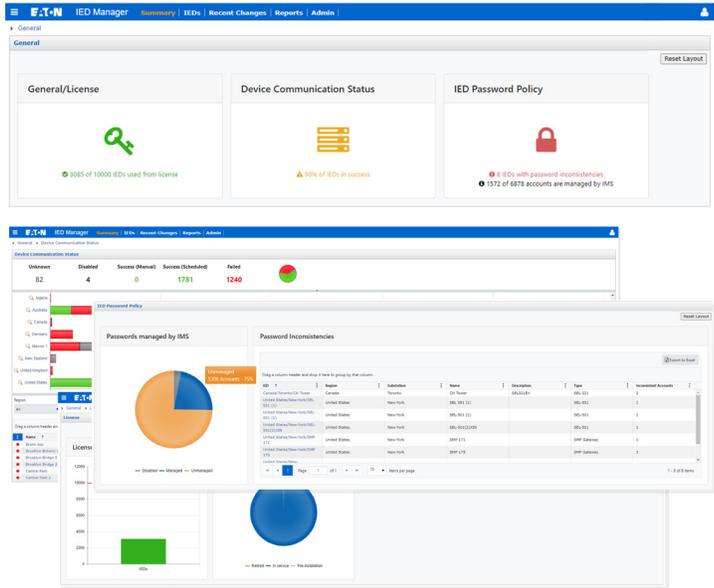
Modular system customizable to specific needs

- **Configuration Manager**  
Retrieves device settings, monitors for changes
- **Update Manager**  
Updates device firmware
- **Password Manager**  
Updates device passwords
- **Passthrough Manager**  
Provides secure remote engineering access
- **Event Manager**  
Retrieves fault records, SOE and oscillography
- **Data Bridge**  
Collects real-time data from devices and publishes it to control systems and data historians

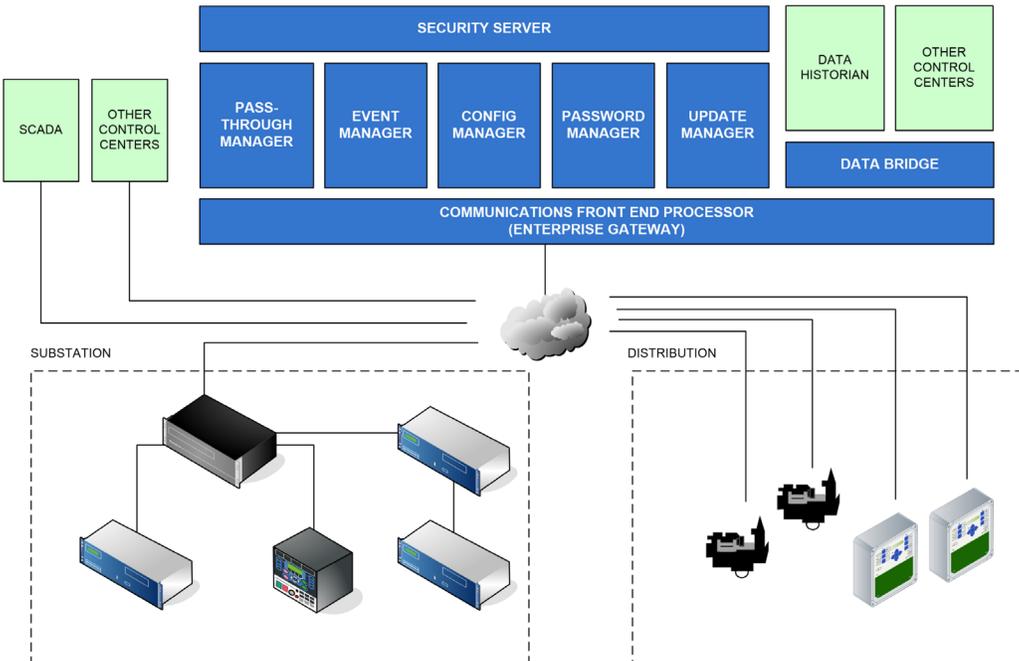
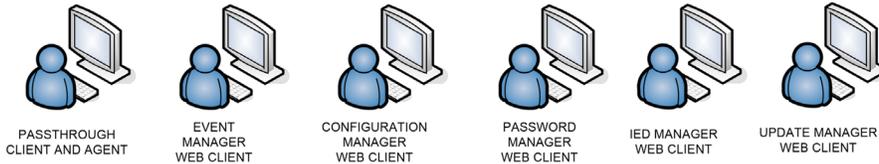
## Enterprise integration

- **Microsoft SQL**  
server-based
- **Microsoft Active Directory**  
for enterprise Single Sign-On (SSO) user authentication
- **Tripwire Enterprise**  
for NERC CIP compliance and auditing
- **Security Event and Incident Management**  
for centralized logging
- **AVEVA PI**  
for real-time data logging and visualisation
- **Netcaler IVPower**  
for automated fault analysis
- And more

## IMS dashboards



## Automated IED management saves time and reduces errors



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## Multi-vendor device support

IMS supports several vendor devices using IED native and standard protocols such as DNP3 and IEC 61850.

- **Eaton/Cooper Power Systems**  
Eaton and Cooper IEDs and gateways
- **Schweitzer Engineering Laboratories**  
SEL relays and gateways
- **GE Digital Energy**  
GE UR, GE SR, ALP, D20 series, Hydran, iBox and more
- **Siemens**  
RUGGEDCOM, Siprotec protection relays
- **ABB**  
Relion relays
- **S&C Electric Company**  
Automatic switch operator
- **Schneider Electric**  
MiCOM, ION
- **Novatech**  
Orion series
- **Bechwith**  
Tap changer, voltage regulator and capacitor bank controls, generator relay
- **RFL**  
RFL GARD
- And many more

For more information on Eaton's IED Manager Suite software visit [Eaton.com/smartgrid](http://Eaton.com/smartgrid)

Follow us on social media to get the latest product and support information.

