

## GLOSSARY

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### Abbreviations

**AC**

Alternating Current

**ADP**

Automated Data Processing

**Ah**

Ampere-hour

**ANSI**

American National Standards Institute

**ASME**

American Society of Mechanical Engineers

**ASTM**

American Society for Testing and Materials

**AWG**

American Wire Gage

**AWWA**

American Waterworks Association

**BTU**

British Thermal Unit

**C4ISR**

Command, Control, Communications, Computer, Intelligence, Surveillance, and Reconnaissance

**C**

Centigrade

**CBR**

Chemical, Biological, and Radiological

**cm**

Centimeter

**CI**

Cast Iron

**CP**

Cathodic Protection

**CPU**  
Central Processing Unit

**d**  
day/days/daily

**DC**  
Direct Current

**DOD**  
Department of Defense

**EM**  
Electromagnetic

**EMC**  
Electromagnetic Compatibility

**EMCS**  
Energy Management Control Systems

**EMF**  
Electromotive Force

**EMI**  
Electromagnetic Interference

**EMP**  
Electromagnetic Pulse

**EPA**  
Environmental Protection Agency

**ESS**  
Electronic Security Systems

**F**  
Fahrenheit

**FID**  
Field Interface Device

**HAD**  
Heat Actuator Detector

**HEMP**  
High Altitude Electromagnetic Pulse

**HFE**  
Human Factors Engineering

**HPM**  
High Power Microwave

**hr**  
hour/hours/hourly

**HVAC**  
Heating, Ventilating, and Air Conditioning

**HVAC&R**  
Heating, Ventilating, Air Conditioning & Refrigeration

**Hz**  
Hertz

**IEEE**  
Institute of Electrical and Electronics Engineers

**IDS**  
Intrusion Detection System

**IGBT**  
Insulated Gate Bipolar Transistor

**K**  
Thousand

**kg**  
Kilogram

**km**  
Kilo Meter

**kVA**  
Kilo Volt Amperes

**kW**  
Kilo Watts

**LAN**  
Local Area Network

**LC**  
Line-commutated (inverter)

**NACE**  
National Association of Corrosion Engineers

**NEC**  
National Electrical Code

**NFPA**

National Fire Protection Association

**NPDES**

National Pollutant Discharge Elimination System

**O&M**

Operations and Maintenance

**ppm**

Parts Per Million

**psig**

Pounds Per Square Inch, Gage

**PVC**

Polyvinyl Chloride

**PWM**

Pulse Width Modulated

**R/A**

Reliability/Availability

**RAM**

Reliability, Availability, and Maintainability

**RF**

Radio Frequency

**RFI**

Radio Frequency Interference

**RMG**

Roesel Motor Generator

**RMS**

Root Mean Square

**s**

Second

**SCADA**

Supervisory Control and Data Acquisition

**SCR**

Silicon Controlled Rectifier

**SE**

Systems Engineering

**SF<sub>6</sub>**  
Sulfur Hexafluoride

**THD**  
Total Harmonic Distortion

**TIMA**  
Thermal Insulation Manufacturers Association

**TM**  
Technical Manual

**UL**  
Underwriters Laboratories

**UPS**  
Uninterruptible Power Supply

**UWB**  
Ultra Wide Band

**VAR**  
Volt-Ampere Reactive