

A Glossary of Common Acronyms

AES	Advanced Encryption Standard	MWh	Megawatt hours
AMA	Advanced metering analytics	OAM	Operations administration and maintenance
AMI	Advanced metering infrastructure	PLC	Programmable logic controller
DER	Distributed energy resource	PMUs	Phasor measurement units
DFR	Digital fault recorder	PQM	Power quality measurements
DNP	Distributed Network Protocol	QoS	Quality of service
DSSE	Distributed system state estimation	RAN	Radio access network
DTLS	Datagram Transport Layer Security	RF	Radio frequency
EMS	Energy management system	SDWAN	Software-Defined Wide Area Network
EV	Electric vehicle	SGi	Surface Gateway Interface
GOOSE	Generic object-oriented substation event	SIM	Subscriber Identity Module
GPS	Global positioning system	SLA	Service-level agreement
IEC	International Electrotechnical Commission	SV	Sampled values
IoT	Internet of Things	TLS	Transport Layer Security
IIoT	Industrial Internet of Things	TVM	Tilt and vibration monitor
IOU	Investor-owned utility	TWS	Traveling wave systems
IPsec	Internet Protocol Security	UPS	Uninterruptable power source
IT/OT	Information technology/Operations technology	VPN	Virtual private network
LAN/WAN	Local Area Network/Wide Area Network	V2X	Vehicle-to-Everything
LEDs	Light-emitting diodes	3GPP	Third Generation Partnership Project
LMR	Land Mobile Radio	4G	Fourth generation of broadband cellular network technology
LPWA	Low-Power Wide-Area	5G	Fifth generation of broadband cellular network technology
LTE	Long Term Evolution		