



Glossary of abbreviations and acronyms

AI	Analogue Input	MAC	Media Access Control
ANSI	American National Standards Institute	Mbps	Megabits per second
AO	Analogue Output	MF	More Fragments
APCI	Application Protocol Control Information	MIMO	Multiple Input Multiple Output
APDU	Application Protocol Data Unit	MMS	Manufacturing Message Specification
ARP	Address Resolution Protocol	MSB	Most Significant Bit
ARPA	Advanced Research Projects Agency	MS/TP	Master Slave/Token Passing
ASDU	Application Service Data Unit	MSS	Maximum Segment Size
ASHRAE	American Society of Heating Refrigeration and Air-Conditioning Engineers	MST	Multiple Spanning Tree
BAC	Building Automation and Control	MSTI	Multiple Spanning Tree Instances
BBMD	BACnet Broadcast Management Device	MSTP	Multiple Spanning Tree Protocol
BPDU	Bridge Protocol Data Unit	NIC	Network Interface Card
BVLL	BACnet Virtual Link Layer	NIM	Network Interface Module
CFI	Canonical Format Indicator	NIST	National Institute of Standards and Technology (US)
CIDR	Classless Inter Domain Routing	NV	Network Variable
CIST	Common and Internal Spanning Tree	OFDM	Orthogonal Frequency Division Multiplexing
CRC	Cyclical Redundancy Check	OSI	Open Systems Interconnection
CSMA/CA	Carrier Sense Multiple Access/Collision Avoidance	PCMCIA	Personal Computer Memory Card International Association
CSMA/CD	Carrier Sense Multiple Access/Collision Detect	PDU	Protocol Data Unit
CST	Common Spanning Tree	PICS	Protocol Implementation Conformance Statement
DARPA	Defence Advanced Research Projects Agency	PID	Proportional Integral Derivative
DCD	Data Carrier Detect	PLC	Programmable Logic Controller
DCE	Data Communications Equipment	PN	Pseudo-Noise
DCS	Distributed Control System	PN	Probe Node
DE	Drop Eligible	PSK	Phase Shift Keying
DF	Don't Fragment	PT	Pass Token
DNP3	Distributed Network Protocol (Version 3)	PTP	Point-to-Point
DOE	Department of Energy	QoS	Quality of Service
DSP	Digital Signal Processing	QPSK	Quadrature Phase Shift Keying
DSSS	Direct Sequence Spread Spectrum	RC	Chipping Rate
DTE	Data Terminal Equipment	RCM	Reliability Centred Maintenance
EIA	Electronic Industries Alliance	RST	Rapid Spanning Tree
EPA	Enhanced Performance Architecture	RSTP	Rapid Spanning Tree Protocol
FCS	Frame Check Sequence	RTS	Request to Send
FHSS	Frequency Hopping Spread Spectrum	RTT	Round Trip Time
FSK	Frequency Shift Keying	RTU	Remote Terminal Unit
FTP	File Transfer Protocol	SA	Substation Automation
FTT	Free Topology Transceiver	SCADA	Supervisory Control and Data Acquisition
GOOSE	Generic Object-Oriented System Event	SCL	System Configuration Language
HMI	Human Machine Interface	SFD	Smart Frame Delimiter
I/O	Input/Output	SMTF	Simple Mail Transfer Protocol
IANA	Internet Assigned Numbers Authority	SNMP	Simple Network Management Protocol
IEC	International Electrotechnical Commission	SNVT	Standard Network Variable Type
IED	Intelligent Electronic Devices	SPP	Serial Port Profile
IEEE	Institute of Electrical and Electronics Engineers	SS	Spread Spectrum
IFG	Interframe Gap	STP	Shielded Twisted Pair (cable)
IHL	Internet Header Length	STP	Spanning Tree Protocol
IIN	Internal Indication Information	SV	Sample Value
IP	Internet Protocol	TCA	Topology Change Acknowledgement
ISM	Industrial Scientific and Medical	TCN	Topology Change Notification
ISO	International Organisation for Standardisation	TCP/IP	Transmission Control Protocol/Internet Protocol
ISP	Internet Service Provider	TDMA	Time Division Multiple Access
ISP	Interoperable Standards Project	TH	Transport Header
IST	Internal Spanning Tree	ToS	Type of Service
LAN	Local Area Network	TPDU	Transport Protocol Data Unit
LD	Logical Device	TPID	Tag Protocol Identifier
LLC	Logical Link Control	TTL	Time-to-Live
LN	Logical Nodes	UDP	User Datagram Protocol
LNS	LONworks Network Services	VID	VLAN Identifier
LONworks	Local Operating Network	VLAN	Virtual Local Area Network
LRC	Longitudinal Redundancy Check	WAN	Wide Area Network
LSB	Unused bit	Wi-Fi	Wireless Fidelity – falls under IEEE 802.11 network communication standard
LSB	Least Significant Bit	WLAN	Wireless Local Area Network