

Telecommunications

Accronym	Meaning	Definition
3G	Third Generation	This is a type of mobile communication standard, which supports high-speed data transmission and improved voice transmission quality.
4G	Fourth Generation	An upgraded version of 3G technology, which provides faster and more reliable mobile broadband internet for devices like smartphones.
5G	Fifth Generation	The latest generation of cellular mobile communications, offering higher speed and more reliable connections on mobile devices.
ADSL	Asymmetric Digital Subscriber Line	A type of broadband connection that allows faster data transmission through phone lines than traditional dial-up connections.
CDMA	Code Division Multiple Access	A digital cellular technology that uses spread spectrum techniques to allow multiple users to share a single band of frequencies.
DSL	Digital Subscriber Line	A technology for bringing high-bandwidth information to homes and small businesses over ordinary copper telephone lines.
FDMA	Frequency Division Multiple Access	A channel access method used in some communications systems to separate multiple users within the same frequency band.
GSM	Global System for Mobile Communications	A standard developed by the European Telecommunications Standards Institute (ETSI) to describe protocols for second-generation digital cellular networks used by mobile devices.
IP	Internet Protocol	The principal communications protocol for relaying datagrams across network boundaries in the internet.
ISP	Internet Service Provider	A company that provides internet access to its customers.
LTE	Long Term Evolution	A standard for wireless broadband communication for mobile devices and data terminals.
PSTN	Public Switched Telephone Network	The world's collection of interconnected voice-oriented public telephone networks.
QoS	Quality of Service	A measure of the performance of a service, such as a telecommunication link or a network.
RF	Radio Frequency	A range of electromagnetic wave frequencies that lie in the range extending from around 20 kHz to 300 GHz.
SIP	Session Initiated Protocol	A communications protocol for signaling and controlling multimedia communication sessions.
VoIP	Voice Over Internet Protocol	A technology that allows for voice and multimedia content to be delivered over internet networks.
VPN	Virtual Private Network	A secured private network connection built on top of a public network, such as the internet.
WAN	Wide Area Network	A telecommunications network that extends over a large geographic area.
Wi-Fi	Wireless Fidelity	A technology for wireless local area networking with devices based on the IEEE 802.11 standards.
WLAN	Wireless Local Area Network	A wireless computer network that links two or more devices using wireless communication.

Cyber Security

Accronym	Meaning	Definition
APT	Advanced Persistent Threat	A prolonged and targeted cyberattack in which an intruder gains access to a network and remains undetected for a significant period of time.
AV	Antivirus	Software designed to detect and neutralize malicious software like viruses, trojans, and worms.
BYOD	Bring Your Own Device	A policy that allows employees to use their personal devices (like laptops, smartphones) for work purposes.
CIA	Confidentiality, Integrity, and Availability	A model used to guide policies for information security within an organization.
DDoS	Distributed Denial of Service	A malicious attempt to disrupt normal traffic of a targeted server, service, or network by overwhelming the target or its surrounding infrastructure with a flood of internet traffic.
DMZ	Demilitarized Zone	A physical or logical subnetwork that exposes an organization's external-facing services to an untrusted network, usually the Internet.
EPP	Endpoint Protection Platform	A solution deployed on endpoint devices to prevent file-based malware, to detect and block malicious activity from trusted and untrusted applications, and to provide the investigation and remediation capabilities needed to respond to dynamic security incidents and alerts.
IAM	Identity and Access Management	A framework of policies and technologies for ensuring that the right people in an enterprise have the right access to technology resources.
IDS	Intrusion Detection System	A device or software application that monitors a network or systems for malicious activity or policy violations.
IPS	Intrusion Prevention System	A network security and threat prevention tool that protects your network by inspecting packets, and allowing or denying based on established rules.
MDM	Mobile Device Management	A type of security software used to monitor, manage, and secure employees' mobile devices that are used in enterprise settings.
NAC	Network Access Control	An approach to network security that attempts to unify endpoint security technology, user or system authentication, and network security enforcement.
PKI	Public Key Infrastructure	A set of roles, policies, hardware, software, and procedures needed to create, manage, distribute, use, store, and revoke digital certificates and manage public-key encryption.
SOC	Security Operations Center	A centralized unit that deals with security issues on an organizational and technical level.
TLS	Transport Layer Security	A cryptographic protocol designed to provide communications security over a computer network.
VPN	Virtual Private Network	A technology that creates a safe and encrypted connection over a less secure network, such as the internet.
WAF	Web Application Firewall	A specific form of application firewall that filters, monitors, and blocks HTTP traffic to and from a web application.
2FA/MFA	Two-Factor Authentication / Multi-Factor Authentication	A method of confirming users' claimed identities by using a combination of two or more different factors.
SIEM	Security Information and Event Management	Provides real-time analysis of security alerts generated by applications and network hardware.

Cloud Computing

Accronym	Meaning	Definition
API	Application Programming Interface	A set of rules and protocols for building and interacting with software applications.
AWS	Amazon Web Services	Amazon's comprehensive, evolving cloud computing platform which includes a mixture of infrastructure as a service (IaaS), platform as a
Azure	Microsoft Azure	Microsoft's cloud computing service for building, testing, deploying, and managing applications and services through Microsoft-managed data centers.
CDN	Content Delivery Network	A system of distributed servers that deliver content to a user, based on the geographic locations of the user, the origin of the content and the content delivery server.
CRM	Customer Relationship Management	A technology for managing all your company's relationships and interactions with customers and potential customers.
DRaaS	Disaster Recovery as a Service	A cloud computing service model that allows an organization to back up its data and IT infrastructure in a third party cloud computing environment and provide all the necessary functionalities to recover from a disaster.
GCP	Google Cloud Platform	Google's cloud computing platform that provides infrastructure as a service, platform as a service, and serverless computing environments.
IaaS	Infrastructure as a Service	A form of cloud computing that provides virtualized computing resources over the internet.
PaaS	Platform as a Service	A cloud computing model in which a third-party provider delivers hardware and software tools to users over the internet.
SaaS	Software as a Service	A software licensing and delivery model in which software is licensed on a subscription basis and is centrally hosted.
SLA	Service Level Agreement	A contract between a service provider and the end user that defines the level of service expected from the service provider.
VM	Virtual Machine	A software emulation of a computer system. They operate based on the computer architecture and functions of a real or hypothetical computer.
VPN	Virtual Private Network	A technology that creates a safe and encrypted connection over a less secure network, such as the internet.
VPC	Virtual Private Cloud	A secure, isolated private cloud hosted within a public cloud.
HCI	Hyper-Converged Infrastructure	A system that integrates compute, storage, and networking on commodity hardware, which is supported by a single vendor.
DaaS	Desktop as a Service	A cloud computing offering where the back-end of a virtual desktop infrastructure is hosted by a cloud service provider.
FaaS	Functions as a Service	A category of cloud computing services that provides a platform allowing customers to develop, run, and manage application functionalities without the complexity of building and maintaining the infrastructure.
CaaS	Containers as a Service	A cloud service that allows software developers to upload, organize, run, scale, manage and stop containers through a web interface, API or CLI.
EUC	End User Computing	Refers to systems in which non-programmers can create working applications or systems through manipulating already existing system elements provided by IT.
K8s	Kubernetes	An open-source platform designed to automate deploying, scaling, and operating application containers.

Cyber Security (Compliances)

Accronym	Meaning	Definition
PCI DSS	Payment Card Industry Data Security Standard	An information security standard for organizations that handle branded credit cards from the major card schemes.
HIPPA	Health Insurance Portability and Accountability Act	A US legislation that provides data privacy and security provisions for safeguarding medical information.
GDPR	General Data Protection Regulation	A regulation in EU law on data protection and privacy in the European Union and the European Economic Area.
SOX	Sarbanes-Oxley Act	A law passed by U.S. Congress on the accounting practices and corporate disclosures of public companies.
ISO 27001	International Organization for Standardization 27001	A standard for information security management systems (ISMS) that outlines a systematic approach to managing sensitive company information.
NIST	National Institute of Standards and Technology	A non-regulatory federal agency within the U.S. Department of Commerce, which develops technology, metrics, and standards to drive innovation and economic competitiveness, including in cybersecurity.
FISMA	Federal Information Security Management Act	A United States federal law enacted in 2002 that recognized the importance of information security to the economic and national security interests of the United States.
GLBA	Gramm-Leach-Bliley Act	Also known as the Financial Modernization Act of 1999, it includes provisions to protect consumers' personal financial information held by financial institutions.
COPPA	Children's Online Privacy Protection Act	A U.S. law designed to protect children under age 13 when they are online, regulating what information can be collected and how.
CCPA	California Consumer Privacy Act	A state statute intended to enhance privacy rights and consumer protection for residents of California, United States.
FERPA	Family Educational Rights and Privacy Act	A federal law in the U.S. that protects the privacy of student education records.
CISA	Cybersecurity Information Sharing Act	A law signed on December 18, 2015, in the U.S., designed to "improve cybersecurity in the United States through enhanced sharing of information about cybersecurity threats, and for other purposes".
CMMC	Cybersecurity Maturity Model Certification	A unifying standard for the implementation of cybersecurity across the Defense Industrial Base (DIB) in the U.S.
HITECH	Health Information Technology for Economic and Clinical Health Act	Enacted as part of the American Recovery and Reinvestment Act of 2009, to promote the adoption and meaningful use of health information technology.
RFPA	Right to Financial Privacy Act	A U.S. federal law, Title 12, Chapter 35 of the United States Code, that gives the customers of financial institutions the right to some level of privacy from government searches.
NYDFS	New York Department of Financial Services	It's a regulatory body in the U.S. that introduced a cybersecurity regulation known as 23 NYCRR 500, to protect New York State's financial services industry from an increasing risk of cyber attacks.
DFARS	Defense Federal Acquisition Regulation Supplement	A set of restrictions for the U.S. Department of Defense (DoD) that regulates the collection and use of technical information about the defense articles and defense services constituting the U.S. Munitions List.