

# Standard Acronyms

|                 |  |              |  |
|-----------------|--|--------------|--|
| <b>ACD</b>      | automatic call distributor   | <b>CBK</b>   | common body of knowledge                           |
| <b>AES</b>      | Advanced Encryption Standard   | <b>CCC</b>   | CERT Coordination Center                           |
| <b>ALE</b>      | annual loss expectancy   | <b>CCNA</b>  | Cisco Certified Network Associate                  |
| <b>ANSI</b>     | American National Standards Institute                                  | <b>CDR</b>   | call-detail recording                              |
| <b>AO</b>       | authorizing official   | <b>CERT</b>  | Computer Emergency Response Team                   |
| <b>AP</b>       | access point   | <b>CFE</b>   | Certified Fraud Examiner                           |
| <b>API</b>      | application programming interface                                      | <b>C-I-A</b> | confidentiality, integrity, availability           |
| <b>APT</b>      | advanced persistent threat   | <b>CIPA</b>  | Children's Internet Protection Act                 |
| <b>ARO</b>      | annual rate of occurrence  | <b>CIR</b>   | committed information rate                         |
| <b>ATM</b>      | asynchronous transfer mode   | <b>CIRT</b>  | computer incident response team                    |
| <b>AUP</b>      | acceptable use policy  | <b>CISA</b>  | Certified Information Systems Auditor              |
| <b>AV</b>       | antivirus  | <b>CISM</b>  | Certified Information Security Manager             |
| <b>B2B</b>      | business to business   | <b>CISSP</b> | Certified Information System Security Professional |
| <b>B2C</b>      | business to consumer   | <b>CMIP</b>  | Common Management Information Protocol             |
| <b>BBB</b>      | Better Business Bureau   | <b>CMMI</b>  | Capability Maturity Model Integration              |
| <b>BC</b>       | business continuity  | <b>CND</b>   | computer network defense                           |
| <b>BCP</b>      | business continuity plan   | <b>CNE</b>   | computer network exploitation                      |
| <b>BGP4</b>     | Border Gateway Protocol 4 for IPv4                                     | <b>COPPA</b> | Children's Online Privacy Protection Act           |
| <b>BIA</b>      | business impact analysis   | <b>COS</b>   | class of service                                   |
| <b>BYOD</b>     | Bring Your Own Device  | <b>CRC</b>   | cyclic redundancy check                            |
| <b>C2C</b>      | consumer to consumer   | <b>CSA</b>   | Cloud Security Alliance                            |
| <b>CA</b>       | certificate authority  | <b>CSF</b>   | critical success factor                            |
| <b>CAC</b>      | Common Access Card   | <b>CSI</b>   | Computer Security Institute                        |
| <b>CAN</b>      | computer network attack  | <b>CSP</b>   | cloud service provider                             |
| <b>CAN-SPAM</b> | Controlling the Assault of Non-Solicited Pornography and Marketing Act | <b>CTI</b>   | Computer Telephony Integration                     |
| <b>CAP</b>      | Certification and Accreditation Professional                           | <b>CVE</b>   | Common Vulnerabilities and Exposures               |
| <b>CAUCE</b>    | Coalition Against Unsolicited Commercial Email                         | <b>DAC</b>   | discretionary access control                       |
| <b>CBA</b>      | cost-benefit analysis  | <b>DBMS</b>  | database management system                         |
| <b>CBF</b>      | critical business function   | <b>DCS</b>   | distributed control system                         |
|                 |  | <b>DDoS</b>  | distributed denial of service                      |
|                 |  | <b>DEP</b>   | data execution prevention                          |

|               |   |                          |  |
|---------------|---|--------------------------|--|
| <b>DES</b>    | Data Encryption Standard                        | <b>GLBA</b>              | Gramm-Leach-Bliley Act   |
| <b>DHCPv6</b> | Dynamic Host Configuration Protocol v6 for IPv6 | <b>HIDS</b>              | host-based intrusion detection system                              |
| <b>DHS</b>    | Department of Homeland Security                 | <b>HIPAA</b>             | Health Insurance Portability and Accountability Act                |
| <b>DIA</b>    | Defense Intelligence Agency                     | <b>HIPS</b>              | host-based intrusion prevention system                             |
| <b>DISA</b>   | direct inward system access                     | <b>HTML</b>              | Hypertext Markup Language  |
| <b>DMZ</b>    | demilitarized zone                              | <b>HTTP</b>              | Hypertext Transfer Protocol  |
| <b>DNS</b>    | Domain Name Service OR Domain Name System       | <b>HTTPS</b>             | Hypertext Transfer Protocol Secure                                 |
| <b>DoD</b>    | Department of Defense                           | <b>HUMINT</b>            | human intelligence   |
| <b>DoS</b>    | denial of service                               | <b>IaaS</b>              | Infrastructure as a Service  |
| <b>DPI</b>    | deep packet inspection                          | <b>IAB</b>               | Internet Activities Board  |
| <b>DR</b>     | disaster recovery                               | <b>ICMP</b>              | Internet Control Message Protocol                                  |
| <b>DRP</b>    | disaster recovery plan                          | <b>IDEA</b>              | International Data Encryption Algorithm                            |
| <b>DSL</b>    | digital subscriber line                         | <b>IDPS</b>              | intrusion detection and prevention                                 |
| <b>DSS</b>    | Digital Signature Standard                      | <b>IDS</b>               | intrusion detection system   |
| <b>DSU</b>    | data service unit                               | <b>IEEE</b>              | Institute of Electrical and Electronics Engineers                  |
| <b>EDI</b>    | Electronic Data Interchange                     | <b>IETF</b>              | Internet Engineering Task Force                                    |
| <b>EIDE</b>   | Enhanced IDE                                    | <b>IGP</b>               | interior gateway protocol  |
| <b>ELINT</b>  | electronic intelligence                         | <b>IMINT</b>             | imagery intelligence   |
| <b>EPHI</b>   | electronic protected health information         | <b>InfoSec</b>           | information security   |
| <b>EULA</b>   | End-User License Agreement                      | <b>IP</b>                | intellectual property OR Internet protocol                         |
| <b>FACTA</b>  | Fair and Accurate Credit Transactions Act       | <b>IPS</b>               | intrusion prevention system  |
| <b>FAR</b>    | false acceptance rate                           | <b>IPSec</b>             | Internet Protocol Security   |
| <b>FCC</b>    | Federal Communications Commission               | <b>IPv4</b>              | Internet Protocol version 4  |
| <b>FDIC</b>   | Federal Deposit Insurance Corporation           | <b>IPv6</b>              | Internet Protocol version 6  |
| <b>FEP</b>    | front-end processor                             | <b>IS-IS</b>             | intermediate system-to-intermediate system                         |
| <b>FERPA</b>  | Family Educational Rights and Privacy Act       | <b>(ISC)<sup>2</sup></b> | International Information System Security Certification Consortium |
| <b>FIPS</b>   | Federal Information Processing Standard         | <b>ISO</b>               | International Organization for Standardization                     |
| <b>FISMA</b>  | Federal Information Security Management Act     | <b>ISP</b>               | Internet service provider  |
| <b>FRCP</b>   | Federal Rules of Civil Procedure                | <b>ISS</b>               | Internet security systems  |
| <b>FRR</b>    | false rejection rate                            | <b>ITIL</b>              | Information Technology Infrastructure Library                      |
| <b>FTC</b>    | Federal Trade Commission                        | <b>ITRC</b>              | Identity Theft Resource Center                                     |
| <b>FTP</b>    | File Transfer Protocol                          | <b>IVR</b>               | interactive voice response   |
| <b>GAAP</b>   | generally accepted accounting principles        | <b>L2TP</b>              | Layer 2 Tunneling Protocol   |
| <b>GIAC</b>   | Global Information Assurance Certification      | <b>LAN</b>               | local area network   |
| <b>GigE</b>   | Gigabit Ethernet LAN                            |                          |  |

|                |  |               |   |
|----------------|--|---------------|---|
| <b>MAC</b>     | mandatory access control                       | <b>PoE</b>    | power over Ethernet                                   |
| <b>MAN</b>     | metropolitan area network                      | <b>POS</b>    | point-of-sale   |
| <b>MAO</b>     | maximum acceptable outage                      | <b>PPTP</b>   | Point-to-Point Tunneling Protocol                     |
| <b>MASINT</b>  | measurement and signals intelligence           | <b>PSYOPs</b> | psychological operations                              |
| <b>MD5</b>     | Message Digest 5                               | <b>RA</b>     | registration authority OR risk assessment             |
| <b>modem</b>   | modulator demodulator                          | <b>RAID</b>   | redundant array of independent disks                  |
| <b>MP-BGP</b>  | Multiprotocol Border Gateway Protocol for IPv6 | <b>RAT</b>    | remote access Trojan OR remote access tool            |
| <b>MPLS</b>    | multiprotocol label switching                  | <b>RFC</b>    | Request for Comments                                  |
| <b>MSTI</b>    | Multiple spanning tree instance                | <b>RIPng</b>  | Routing Information Protocol next generation for IPv6 |
| <b>MSTP</b>    | Multiple Spanning Tree Protocol                | <b>RIPv2</b>  | Routing Information Protocol v2 for IPv4              |
| <b>NAC</b>     | network access control                         | <b>ROI</b>    | return on investment                                  |
| <b>NAT</b>     | network address translation                    | <b>RPO</b>    | recovery point objective                              |
| <b>NFIC</b>    | National Fraud Information Center              | <b>RSA</b>    | Rivest, Shamir, and Adleman (algorithm)               |
| <b>NIC</b>     | network interface card                         | <b>RSTP</b>   | Rapid Spanning Tree Protocol                          |
| <b>NIDS</b>    | network intrusion detection system             | <b>RTO</b>    | recovery time objective                               |
| <b>NIPS</b>    | network intrusion prevention system            | <b>SA</b>     | security association                                  |
| <b>NIST</b>    | National Institute of Standards and Technology | <b>SaaS</b>   | Software as a Service                                 |
| <b>NMS</b>     | network management system                      | <b>SAN</b>    | storage area network                                  |
| <b>NOC</b>     | network operations center                      | <b>SANCP</b>  | Security Analyst Network Connection Profiler          |
| <b>NSA</b>     | National Security Agency                       | <b>SANS</b>   | SysAdmin, Audit, Network, Security                    |
| <b>NVD</b>     | national vulnerability database                | <b>SAP</b>    | service access point                                  |
| <b>OPSEC</b>   | operations security                            | <b>SCADA</b>  | supervisory control and data acquisition              |
| <b>OS</b>      | operating system                               | <b>SCSI</b>   | small computer system interface                       |
| <b>OSI</b>     | open system interconnection                    | <b>SDSL</b>   | symmetric digital subscriber line                     |
| <b>OSINT</b>   | open source intelligence                       | <b>SET</b>    | secure electronic transaction                         |
| <b>OSPFv2</b>  | Open Shortest Path First v2 for IPv4           | <b>SGC</b>    | server-gated cryptography                             |
| <b>OSPFv3</b>  | Open Shortest Path First v3 for IPv6           | <b>SHA</b>    | secure hash algorithm                                 |
| <b>PaaS</b>    | Platform as a Service                          | <b>S-HTTP</b> | secure HTTP   |
| <b>PBX</b>     | private branch exchange                        | <b>SIEM</b>   | Security Information and Event Management system      |
| <b>PCI</b>     | Payment Card Industry                          | <b>SIGINT</b> | signals intelligence                                  |
| <b>PCI DSS</b> | Payment Card Industry Data Security Standard   | <b>SIP</b>    | Session Initiation Protocol                           |
| <b>PGP</b>     | Pretty Good Privacy                            | <b>SLA</b>    | service level agreement                               |
| <b>PII</b>     | personally identifiable information            | <b>SLE</b>    | single loss expectancy                                |
| <b>PIN</b>     | personal identification number                 | <b>SMFA</b>   | specific management functional area                   |
| <b>PKI</b>     | public key infrastructure                      | <b>SNMP</b>   | Simple Network Management Protocol                    |
| <b>PLC</b>     | programmable logic controller                  | <b>SOX</b>    | Sarbanes-Oxley Act of 2002 (also Sarbox)              |
| <b>POAM</b>    | plan of action and milestones                  |               |   |

|                |   |              |                                 |
|----------------|---|--------------|---------------------------------|
| <b>SPOF</b>    | single point of failure                                     | <b>UC</b>    | unified communications          |
| <b>SQL</b>     | Structured Query Language                                   | <b>UDP</b>   | User Datagram Protocol          |
| <b>SSA</b>     | Social Security Administration                              | <b>UPS</b>   | uninterruptible power supply    |
| <b>SSCP</b>    | Systems Security Certified Practitioner                     | <b>USB</b>   | universal serial bus            |
| <b>SSID</b>    | service set identifier (name assigned to a Wi-Fi network)   | <b>UTP</b>   | unshielded twisted pair         |
| <b>SSL</b>     | Secure Sockets Layer  | <b>VA</b>    | vulnerability assessment        |
| <b>SSL-VPN</b> | Secure Sockets Layer virtual private network                | <b>VBAC</b>  | view-based access control       |
| <b>SSO</b>     | single system sign-on                                       | <b>VLAN</b>  | virtual local area network      |
| <b>STP</b>     | shielded twisted pair OR<br>Spanning Tree Protocol          | <b>VoIP</b>  | Voice over Internet Protocol    |
| <b>TCP/IP</b>  | Transmission Control Protocol/<br>Internet Protocol         | <b>VPN</b>   | virtual private network         |
| <b>TCSEC</b>   | Trusted Computer System<br>Evaluation Criteria              | <b>W3C</b>   | World Wide Web Consortium       |
| <b>TFA</b>     | two-factor authentication                                   | <b>WAN</b>   | wide area network               |
| <b>TFTP</b>    | Trivial File Transfer Protocol                              | <b>WAP</b>   | wireless access point           |
| <b>TGAR</b>    | trunk group access restriction                              | <b>WEP</b>   | wired equivalent privacy        |
| <b>TNI</b>     | Trusted Network Interpretation                              | <b>Wi-Fi</b> | wireless fidelity               |
| <b>TPM</b>     | technology protection measure OR<br>trusted platform module | <b>WLAN</b>  | wireless local area network     |
|                |   | <b>WNIC</b>  | wireless network interface card |
|                |   | <b>WPA</b>   | Wi-Fi Protected Access          |
|                |   | <b>WPA2</b>  | Wi-Fi Protected Access 2        |
|                |   | <b>XML</b>   | Extensible Markup Language      |
|                |   | <b>XSS</b>   | cross-site scripting            |