
Abbreviations/Acronyms

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|----------|---|----------|--|
| 2.5-D | Two and a half Dimensional | CRADA | Cooperative Research And Development Agreement |
| 3-D | Three Dimensional | CRPL | Central Radio Propagation Laboratory |
| 3G | Third Generation | CSPT | Communication System Planning Tool |
| A | | | |
| AGILE | Advanced Generation of Interoperability for Law Enforcement | CW | Continuous Wave |
| D | | | |
| ANS | American National Standard | dB | deciBel |
| ANSI | American National Standards Institute | DC | Direct Current |
| AP | Access Point | DF | Direction Finding |
| APCO | Association of Public-Safety Communications Officials | DFS | Dynamic Frequency Sharing Dynamic Frequency Selection |
| APD | Amplitude Probability Distribution | DGPS | Differential GPS |
| AQMS | Audio Quality Measurement System | DHS | Department of Homeland Security |
| ASCII | American Standard Code for Information Interchange | DLL | Dynamic Link Library |
| ATB | Antenna TestBed | DOC | Department Of Commerce |
| ATIS | Alliance for Telecommunications Industry Solutions | DOD | Department Of Defense |
| ATM | Asynchronous Transfer Mode | DOJ | Department Of Justice |
| B | | | |
| BAWT | Broadband Arbitrary Waveform Transmitter | DSCP | Digital Sampling Channel Probe |
| BER | Bit Error Ratio | DSCQS | Double Stimulus Continuous Quality Scale |
| BGP | Border Gateway Protocol | DSCS | Double Stimulus Comparison Scale |
| BLAST | Bell Labs Layered Space-Time theory | DSP | Digital Signal Processing |
| BPL | Broadband over Power Line | DT&E | Developmental Testing and Evaluation |
| BPSK | Binary Phase Shift Keying | DTV | Digital TeleVision |
| C | | | |
| CCIR | International Radio Consultative Committee (now ITU-R) | DVD | Digital Video Disc (or Digital Versatile Disc) |
| CD | Compact Disk | DWDM | Dense Wave Division Multiplexing |
| CDA | Code Domain Analyzer | E | |
| CDMA | Code Division Multiple Access | EGP | External Gateway Protocol |
| CGDN | Coast Guard Data Network | EIA | Electrical Industries Association |
| CIP | Critical Infrastructure Protection | EM | ElectroMagnetics |
| COMDSQ | Channel Optimized MDSQ | EMC | ElectroMagnetic Compatibility |
| CONUS | CONtinental U.S. | EMOS | Estimated Mean Opinion Score |
| COPS | office of Community Oriented Policing Service | EMS | Emergency Medical Services |
| | | ESSA | Environmental Science Services Administration |
| | | ETS | Emergency Telecommunications Service |

F

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|---------|---|
| FAA | Federal Aviation Administration |
| FCC | Federal Communications Commission |
| FED | FEDeral |
| FED-STD | FEDeral STandarD |
| FH | Frequency Hopping |
| FLEWUG | Federal Law Enforcement Wireless Users' Group |
| FNPRM | Further Notice of Proposed Rule Making |
| FPGA | Field Programmable Gate Array |
| FQT | Formal Qualification Test |
| FR&O | First Report and Order |
| FRA | Federal Railroad Administration |
| FTP | File Transfer Protocol |
| FTTA | Federal Technology Transfer Act |
| FY | Fiscal Year |

G

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|--------|---|
| GB | GigaByte |
| GCC | Group Communications Center |
| GETS | Government Emergency Telecommunications Service |
| GHz | GigaHertz |
| GI/SWG | Global's Infrastructure/Standards Working Group |
| GIF | Graphics Interchange Format |
| GIS | Geographic Information System |
| Global | Global justice information network advisory committee |
| GLOBE | Global Land One-km Base Elevation |
| GMF | Government Master File |
| GPRS | General Packet Radio Service |
| GPS | Global Positioning System |
| GSM | Global System for Mobile |
| GUI | Graphical User Interface |

H

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|------|------------------------------|
| HAAT | Height Above Average Terrain |
| HATS | Head And Torso Simulators |
| HD | High Definition |
| HDTV | High Definition TeleVision |
| HF | High Frequency |
| HTML | HyperText Markup Language |
| HTTP | HyperText Transfer Protocol |

I

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|-----------|--|
| IEEE | Institute of Electrical and Electronics Engineers |
| IETF | Internet Engineering Task Force |
| IF | Intermediate Frequency |
| IGP | Internal Gateway Protocol |
| IITRI | Illinois Institute of Technology (IIT) Research Institute |
| INFOSEC | INFORmation system SECurity |
| INLS | Iterated Nested Least-Squares |
| INLSA | Iterated Nested Least-Squares Algorithm |
| Internet2 | 2nd-generation Internet |
| IP | Internet Protocol |
| IPP | Interoperability Process and Procedures |
| IRL | Interoperability Research Laboratory |
| ISART | International Symposium on Advanced Radio Technologies |
| ISDN | Integrated Services Digital Network |
| ISEC | Information Systems Engineering Command |
| ISM | Industrial, Scientific, and Medical |
| ISSI | Inter-rf SubSystem Interface |
| IT | Information Technology |
| ITM | Irregular Terrain Model |
| ITS | Institute for Telecommunication Sciences |
| ITSA | Institute for Telecommunication Sciences and Aeronomy |
| ITU | International Telecommunication Union |
| ITU-R | International Telecommunication Union — Radiocommunication Sector |
| ITU-T | International Telecommunication Union — Telecommunication Standardization Sector |

J

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|---------|---|
| J/PS/HS | Justice/Public Safety/Homeland Security |
| JRG | Joint Rapporteur Group |
| JSC | Justice Standards Clearinghouse Joint Spectrum Center |
| JWN | Justice Wireless Network |

| | | | |
|------------|--|----------|--|
| K | | O | |
| kbps | kilobits per second | O&M | Operations and Maintenance |
| kHz | kiloHertz | OATS | Open Area Test Site |
| L | | ODOT | Oregon Department of Transportation |
| LAN | Local Area Network | OJP | Office of Justice Programs |
| LMDS | Local Multipoint Distribution Service | OLES | Office of Law Enforcement Standards |
| LMR | Land Mobile Radio | OMB | Office of Management and Budget |
| LOS | Line Of Sight | OQPSK | Offset Quadrature Phase-Shift Keying |
| M | | ORTA | Office of Research and Technology Applications |
| MAN | Metropolitan Area Network | OSM | Office of Spectrum Management |
| Mb/s, Mbps | Megabits per second | OT | Office of Telecommunications |
| MDC | Multi-Descriptive Coding | OTP | Office of Telecommunications Policy |
| MDSQ | Multiple-Description Scalar Quantizer | P | |
| MHz | Megahertz | P25 | Project 25 |
| MIMO | Multiple Input Multiple Output | PBS | Public Broadcasting System |
| MO&O | Memorandum Opinion & Order | PC | Personal Computer |
| MOS | Mean Opinion Score | PCS | Personal Communications Services |
| MPEG | Motion Picture Experts Group | PDD | Presidential Decision Directive |
| MPLS | MultiProtocol Label Switching | PDNR | Preliminary Draft New Recommendation |
| MW | MegaWatt | PESQ | Perceptual Evaluation of Speech Quality |
| N | | PLMR | Private Land Mobile Radio |
| NASTD | National Association of State Telecommunications Directors | PN | Pseudo-Random |
| NBS | National Bureau of Standards | PRF | Pulse Repetition Frequency |
| NCS | National Communications System | PSTN | Public Switched Telephone Network |
| NDRS | National Distress and Response System | PSWAC | Public Safety Wireless Advisory Committee |
| NDRSMP | NDRS Modernization Project | PSWN | Public Safety Wireless Network |
| NGN | Next Generation Network | Q | |
| NII | National Information Infrastructure | QoS | Quality of Service |
| NIJ | National Institute of Justice | QPSK | Quadrature Phase-Shift Keying |
| NIST | National Institute of Standards and Technology | R | |
| NOAA | National Oceanic and Atmospheric Administration | R&D | Research and Development |
| NPRM | Notice of Proposed Rule Making | R&O | Report and Order |
| NS/EP | National Security and Emergency Preparedness | RCG | Radar Correspondence Group |
| NTIA | National Telecommunications and Information Administration | RDBMS | Relational Database Management System |
| NWS | National Weather Service | RF | Radio Frequency |
| | | RFIMS | Radio Frequency Interference Monitoring System |

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|-------------|--|----------|--|
| RFSS | RF SubSystem | U | |
| RSEC | Radar Spectrum Engineering Criteria | UDP | User Datagram Protocol |
| RSMS | Radio Spectrum Measurement System | UHF | Ultra High Frequency |
| RSMS-3 | 3rd Generation RSMS | UK | United Kingdom |
| RSMS-4 | 4th Generation RSMS | UMTS | Universal Mobile Telecommunications System |
| RTP | Realtime Transport Protocol | UNIX | UNIpleXed information and computing service |
| S | | URL | Uniform Resource Locator |
| SAFECOM | wireless public SAFETY interoperable COMMUNICATIONS | US | United States |
| SC | Signal Capacity | USAISEC | United States Army Information Systems Engineering Command |
| SD | Standard Definition | USCG | U.S. Coast Guard |
| SDH | Synchronous Digital Hierarchy | USGS | U.S. Geological Survey |
| SDMA | Space Division Multiple Access | UTRA | UMTS Terrestrial Radio Access |
| SFG | Standards Formulating Group | UWB | UltraWideBand |
| SG | Study Group | V | |
| SINAD | SIGNAL-plus-Noise-plus-Distortion to noise-plus-distortion ratio | VHF | Very High Frequency |
| SIP | Session Initiation Protocol | VoIP | Voice over Internet Protocol |
| SIPRNET | Secret Internet Protocol Routable NETWORK | VPN | Virtual Private Network |
| SIT | System Integration Test | VQEG | Video Quality Experts Group |
| SMPTE | Society of Motion Picture and Television Engineers | VQM | Video Quality Measurement |
| SONET | Synchronous Optical NETWORK | VSA | Vector Signal Analyzer |
| SOR | Statement Of Requirements | W | |
| SPIE | International Society for oPtical Engineering | W-CDMA | Wideband CDMA |
| SSCQE | Single Stimulus Continuous Quality Evaluation | WCTF | Wireless Communications Task Force |
| SUT | System Under Test | Wi-Fi | Wireless Fidelity |
| T | | WLAN | Wireless LAN |
| T&E | Test and Evaluation | WNRC | Wireless Networks Research Center |
| TA Services | Telecommunications Analysis Services | WP | Working Party |
| TCP | Transmission Control Protocol | WPAN | Wireless Personal Area Network |
| TDR | Telecommunications for Disaster Relief | X | |
| TG | Task Group | XML | eXtensible Markup Language |
| TIA | Telecommunications Industry Association | | |
| TIREM | Terrain Integrated Rough Earth Model | | |
| TR | Technical Report | | |
| TSB | Telecommunications Systems Bulletin | | |
| TV | TeleVision | | |