
Abbreviations/Acronyms

2D	two-dimensional	D	
3D	three-dimensional	DAQ	Delivered Audio Quality
3G	third generation	dB	decibel
A		DFS	Dynamic Frequency Selection
AAR	Association of American Railroads	DHS	Department of Homeland Security
AGILE	Advanced Generation of Interoperability for Law Enforcement	DLL	Dynamic Link Library
ANS	American National Standard	DOC	Department of Commerce
ANSI	American National Standards Institute	DOD	Department of Defense
APCO	Association of Public-Safety Communications Officials	DOJ	Department of Justice
APD	Amplitude Probability Distribution	DP-UWB	Dither-Pulse Ultrawideband
APM	Advanced Propagation Model	DSCP	Digital Sampling Channel Probe
AQMS	Audio Quality Measurement System	DSL	Digital Subscriber Line
ASC	Average Signal Capacity	DS-UWB	Direct-Sequence Ultrawideband
ATB	antenna testbed	DTV	digital television
ATIS	Alliance for Telecommunications Industry Solutions	E	
B		EIA	Electronic Industries Alliance
BAWT	Broadband Arbitrary Waveform Transmitter	EMC	electromagnetic compatibility
BBTG	BroadBand Task Group	EMOS	Estimated Mean Opinion Score
C		EMS	Emergency Medical Services
C/I	carrier to interference	ESSA	Environmental Science Services Administration
CD	compact disk	ETS	Emergency Telecommunications Service
CDA	Code Domain Analyzer	ETSI	European Telecommunications Standards Institute
CDMA	Code Division Multiple Access	EVA	Evaluation License Agreement
CIP	Critical Infrastructure Protection	F	
CONUS	Continental U.S.	FCC	Federal Communications Commission
COPS	Office of Community Oriented Policing Service	FED	Federal
CRADA	Cooperative Research and Development Agreement	FGNGN	Focus Group on NGN
CRPL	Central Radio Propagation Laboratory	FM	frequency modulation
CSPM	Communication System Performance Model	FPGA	Field Programmable Gate Array
CSPT	Communication System Planning Tool	FPIC	Federal Partnership for Interoperability Communications
CW	continuous wave	FQT	Formal Qualification Test
		FTP	File Transfer Protocol
		FY	Fiscal Year

G		IT	Information Technology
GB	gigabyte	ITM	Irregular Terrain Model
GCC	Group Communications Center	ITS	Institute for Telecommunication Sciences
GETS	Government Emergency Telecommunications Service	ITSA	Institute for Telecommunication Sciences and Aeronomy
GHz	gigahertz	ITU	International Telecommunication Union
GIF	Graphics Interchange Format	ITU-R	International Telecommunication Union — Radiocommunication Sector
GIS	Geographic Information System	ITU-T	International Telecommunication Union — Telecommunication Standardization Sector
GJXDM	Global Justice XML Data Model	IVQM	In-Service VQM
GLOBE	Global Land One-km Base Elevation		
GMF	Government Master File		
GPS	Global Positioning System		
GSM	Global System for Mobile		
GUI	Graphical User Interface		
		J	
H		JRG	Joint Rapporteur(s) Group
HAAT	Height Above Average Terrain calculation program		
HD	high definition	K	
HDTV	High Definition Television	kbps	kilobits per second
HF	high frequency	kHz	kilohertz
HTML	Hypertext Markup Language		
		L	
I		LAN	Local Area Network
I/O	input/output	LMDS	Local Multipoint Distribution Service
ICEAREA	a version of ICEPAC (see below) that produces area coverage predictions.	LMR	Land Mobile Radio
ICEPAC	Ionospheric Communications Enhanced Profile Analysis and Circuit Prediction Program	LOS	line of sight
IEEE	Institute of Electrical and Electronics Engineers	M	
IETF	Internet Engineering Task Force	MB-OFDM	Multi-Band Orthogonal Frequency-Division Multiplexing
IF	intermediate frequency	Mb/s, Mbps	megabits per second
INR_{TOV}	interference-to-noise ratio at threshold of visibility	MD	Multimedia Definition
IP	Internet Protocol	MDC	Multi-Descriptive Coding
IPG	Intersessional Planning Group	MHz	megahertz
IRL	Interoperability Research Laboratory	MIMO	Multiple Input Multiple Output
ISART	International Symposium on Advanced Radio Technologies	MM	multimedia
ISM	Industrial, Scientific, and Medical	MMQA	Multimedia Quality Assessment
ISSI	Inter-rf Subsystem Interface	MPLS	Multiprotocol Label Switching
		MSTV	Association for Maximum Service Television

N		PESQ	Perceptual Evaluation of Speech Quality
NASA	National Aeronautics and Space Administration	PN	pseudo-noise
NASTD	National Association of State Telecommunications Directors	PRQC	Network Performance, Reliability and Quality of Service Committee
NCS	National Communications System	PSAWG	P25 Systems Architecture Working Group
NDRS	National Distress & Response System	PSTN	Public Switched Telephone Network
NGN	Next Generation Network		
NIEM	National Information Exchange Model	Q	
NIJ	National Institute of Justice	QoS	Quality of Service
NIST	National Institute of Standards and Technology	QPSK	Quadrature Phase-Shift Keying
NOAA	National Oceanic and Atmospheric Administration	R	
NRSSC	Network Reliability and Security Subcommittee	R&D	research and development
NS/EP	National Security and Emergency Preparedness	RCG	Radar Correspondence Group
NTIA	National Telecommunications and Information Administration	RF	radio frequency
NWR	NOAA Weather Radio	RLAN	Radio Local Area Network
NWS	National Weather Service	RMS	root mean square
O		RR	Reduced Reference
OAM	Operation, Administration and Maintenance	RRC	Regional Radio Conference
OLES	Office of Law Enforcement Standards	RR-NR	Reduced Reference – No Reference
OMB	Office of Management and Budget	RSEC	Radar Spectrum Engineering Criteria
OQPSK	Offset Quadrature Phase-Shift Keying	RSL	received signal level
OSM	Office of Spectrum Management	RSMS	Radio Spectrum Measurement Science
OT	Office of Telecommunications	RSMS-4	4th Generation RSMS
OTP	Office of Telecommunications Policy	S	
P		SAFECOM	Public Safety Wireless Communications
P25	Project 25	SAME	Specific Area Message Encoding
PBS	Public Broadcasting System	SC	Signal Capacity
PC	personal computer	SD	Standard Definition
PCM	Pulse Code Modulation	SDMA	Space Division Multiple Access
PCS	Personal Communications Services	SDTS	Spatial Data Transfer Standard
PDA	personal digital assistant	SG	Study Group
PDD	Presidential Decision Directive	SIP	Session Initiation Protocol
		SIPRNET	Secret Internet Protocol Routable Network
		SIT	System Integration Test

SLA	Service Level Agreement	W	
SMPTE	Society of Motion Picture and Television Engineers	WAS	Wireless Access System
SNR	signal to noise ratio	W-CDMA	Wideband CDMA
SOR	Statement of Requirements	WCTF	Wireless Communications Task Force
SUT	System Under Test	Wi-Fi	Wireless Fidelity
		WLAN	Wireless LAN
		WMO	Wireless Management Office
T		WNRC	Wireless Networks Research Center
T&E	test and evaluation	WP	Working Party
TA Services	Telecommunications Analysis Services	WPAN	Wireless Personal Area Network
TB	terabyte	WRC	World Radiocommunication Conference
TG	Task Group		
TIA	Telecommunications Industry Association	X	
TM	Technical Memorandum	XML	Extensible Markup Language
TR	Technical Report		
TSB	Telecommunications Systems Bulletin	Y	
		YIG	yttrium-iron-garnet
U			
UHF	ultra high frequency		
URL	Uniform Resource Locator		
URSI	International Union of Radio Science		
US	United States		
USCG	U.S. Coast Guard		
USGS	U.S. Geological Survey		
UWB	ultrawideband		
V			
VHF	very high frequency		
VOACAP	Voice of America Communications Analysis and Prediction program		
VoIP	Voice over Internet Protocol		
VPN	Virtual Private Network		
VQEG	Video Quality Experts Group		
VQM	Video Quality Metric		
VSA	vector signal analyzer		
VSG	vector signal generator		
VSWR	voltage standing wave ratio		