Acronym	Definition
3GPP	Third-Generation Partnership Project
5G	Fifth Generation
5G NR	Fifth Generation New Radio
A/V	Audio/Visual
AAL3	Authentication Authorization Level 3
ABC-MRT	Articulation Band Correlation Modified Rhyme Test
ABL	Adaptive Background Learning
ACE	Analytics Container Environment
ADE	Application Domain Extension
ADF	Application Dedicated File
ADRP	Airborne Deployable Research Project
AED	Automated External Defibrillator
AES	Advanced Encryption Standard
AF	Authentication Framework
AGC	Automatic Gain Control
AI	Artificial Intelligence
ALSA	Advanced Linux Sound Architecture
AMBE	Advanced Multi-Band Excitation
API	Application Programming Interface
API-JS	JavaScript API Client Library
API-PY	Python API Client Library
APN	Access Point Name
AR	Augmented Reality
AR/VR	Augmented Reality/ Virtual Reality
ARIB	The Association of Radio Industries and Businesses
ARM	Advanced RISC Machine
ARP	Allocation and Retention Priority
ARQ	Automatic Repeat Request
AS	Access Stratum
ASPRS	American Society of Photogrammetry and Remote Sensing
ASR	Automated Speech Recognition
ATAK	Android Tactical Assault Kit

ATIS	Alliance for Telecommunications Solutions
ATWV	Actual Term Weighted Value
AVL	Automatic Vehicle Location
AWGN	Additive White Guassian Noise
AWS	Amazon Web Service
BIM	Building Information Model
BLE	Bluetooth Low Energy
BLER	Block Error Rate
BNR	Base Neural Responses
BOCA	Body-Worn Camera Analytics
BP	Blood Pressure
BS	Base Station
BSI	British Standards Institution
BSR	Buffer Status Reporting
BT	Bluetooth
BW	Bandwidth
BWC	Body-Worn Camera
C-RNTI	Cell Radio Network Temporary Identifier
C3P	Coded Cooperative Computation Protocol
CA	Carrier Aggregation
CAD	Computer Aided Dispatch
CAP	Civil Air Patrol
CART	County Animal Response Team
CBOR	Concise Binary Object Representation
CCSA	The China Communications Standards Association
CCTV	Closed Circuit Television
CD	Configuration Distance
CDD	Cyclic Delay Diversity
CFO	Carrier Frequency Offset
CJIS	Criminal Justice Information Service
CNN	Convolutional Neural Network
CO-PI	Coder / Decoder
CoAP	Co-Principal Investigator

CODEC	Constrained Application Protocol
COH	Complex Overhaul
CoLT	Cells on Light Truck
COO	Cell of Origin
COPSS	Content-Oriented Publish/ Subscribe System
COTS	Commercial Off the Shelf
CoW	Cells on Wheels
CPU	Central Processing Unit
CQI	Channel Quality Indicator
CRDT	Conflict Free Replicated Datatype
CSP	CJIS Security Policy
CSV	Comma-Separated Values
CTAP	Client to Authenticator Protocol
CTL	Communications Technology Laboratory
CUI	Concept Unique Identifier
CV	Computer Vision
CVE	Common Vulnerabilities and Exposures
CVPR	Computer Vision and Pattern Recognition
D2D	Device to Device
DACA	Deployable Aerial Communications Architecture
DAG	Directed Acyclic Graph
DCF	Detection Cost Function
DCI	Downlink Control Information
DDPS	Device to Device Systems for Public Safety
DEM	Digital Elevation Model
DF	Dedicated File
DFRD	Data Format Requirements Document
DFT	Discrete Fourier Transform
DHS	Department of Homeland Security
DL	Downlink
DLT	(Government Software)
DMO	Direct Mode Operations
DNS	Domain Name System

DOCMO	Do Communications Over Mobile Network
DOD	Department of Defense
DoF	Department of Finance
DPM	Discriminatively Part Models
DS	Deployable System
DSP	Digital Signal Processor
dtDOA	Differential Time Differences of Arrival
DTN	Delay Tolerant Networking
E2E	End-to-End
ECD	End-User Communication Device
EF	Elementary File
EFK	Extended Kalman Filter
eMBMS	Evolved Multimedia Broadcast Multicast Services
EMS	Emergency Medical Service
EMT	Emergency Medical Technician
eNB	E-Utran Node B
eNodeB	Evolved Node-B
EoD	Elevation Angle of Departure
EPA	Extended Pedestrian A Model
EPC	Evolved Packet Core
ER	Emergency Response
ESN	Emergency Services Network
ESP	Edge Service Provider
ESRI	Environmental Systems Research Institute
ETA	Extensible Data Tool Analysis
ETL	Extract Transform Load
ETSI	European Telecommunications Standards Institute
EVA	Extended Vehicular A
FAA	Federal Aviation Administration
FAPI	Financial-grade API
FBAN	Fire Behavior Analyst
FCC	Federal Communications Commission
FDA	Frame Detection Accuracy

FDD	Frequency Division Duplex
FEC	Frame Error Concealment
FF	Firefighter
FHSZ	Fire Hazard Severity Zones
FIDO	Fast Identity Online
FIPS	Federal Information Processing
FLIR	Forward Looking Infrared Radar
FM	Frequency Modulation
FMCW	Frequency Modulated Continuous Wave
FN	FirstNet
fNIRS	Functional Near-Infrared Spectroscopy
FP	Functional Programming
FPB	Fire Protection District
FPGA	Field Programmable Gate Array
FPS	Frames Per Second
FPV	First Person View
FR	First Responder
FRS	Fire and Rescue Service
GANS	Generative Adversarial Networks
GCF	Global Certification Forum
GHz	Gigahertz
GIS	Geographic Information Science
GlibC	GNU C Library
GML	Geography Markup Language
GMMS	Gaussian Mixture Model
GNS	Global Naming System
GNSS	Global Navigation Satellite System
GPIO	General-Purpose Input / Output
GPS	Global Positioning System
GSCM	Geometry-based Sochastic Channel Models
GSMA	Global System for Mobile Communications Association
GSP	Global Software Publishing
GT	Groundtruth Class

GTP	GPRS (General Packet Radio Service) Tunneling Protocol
GUI	Graphical User Interface
GUID	Globally Unique Identifier
GVI	Generic Voice Interface
HARQ	High Availability Resolution Queue
HARQ	Hybrid Automatic Repeat Request
HCO	HTML Converter
HDFS	Harloop Distributed File System
HDMI	High-Definition Multimedia Interface
HER	High Error Rate
HFES	Human Factors Ergonomic society
HIPAA	Health Insurance Portability and Accountability Act
HLS	HTTP Live Streaming
HMDB51	Human Motion Database
HOG	Histograms of Oriented Gradients
HPC	High Performance Computing
HR	Hyper Reality
HRPE	High Resolution Parameter Extraction
HSS	Home Subscriber Server
HTML	Hypertext Markup Language
HTTPS	Hypertext Transfer Protocol Secure
HUD	Heads-Up Display
HVS	Human Visual System
HW	Hardware
I/Q	Indoor-to-Outdoor
I20	Interactive Three-Dimensional
I3D	In-phase / Quadrature
IAB	Integrated Access and Backhaul
IBP	Internet Backplane Protocol
IC	Integrated Circuit
ICAM	Identity, Credential, and Access Management
ICT	Information and Communications Technology
IdMS	Intelligent Data Movement Service

IETF	Internet Engineering Task Force
IFC	Industry Foundation Class
iLPS	Indoor Localization Positioning System
IMET	Incident Meteorologist
IMS	Internet Protocol Management System
IMSI	International Mobile Subscriber Identity
IMU	Inertial Measurement Unit
INFOP	Information Personality
INS	Inertial Navigation Systems
IoT	Internet of Things
IP	Internet Protocol
IPC	Industrial PC
IRB	Institutional Review Board
ISM	Industrial, Scientific, Medical
ISP	Inbound Signaling Packet
ISSI	Inter-RF Subsystem Interface
ITL	Information Technology Laboratory
IUI	Intelligent User Interface
IWF	Interworking Function
JS	JavaScript
JSON	JavaScript Object Notation
KPI	Key Performance Indicator
LAN	Local Area Network
LBS	Location-Based Systems
LDC	Linguistic Data Consortium
LDCF	Locally Decorrelated Channel Features
LE	Law Enforcement
LEO	Law Enforcement Officers Killed and Assaulted
LEOKA	Law Enforcement Officers
LiDAR	Light Detection and Ranging
LM	Language Model
LMR	Law Enforcement
LMRS	Land Mobile Radio System

LOC	Lines of Code
LoDN	Logistical Distribution Network
LoRa	Long Range Wide-Area Network
LOS	Line of Sight
LPR	License Plate Recognition
LSTM	Long Short-Term Memory
LTAN	Long Term Fire Analyst
LTC	Long Term Care
LTE	Long Term Evolution
LTE DMO	Long Term Evolution Direct Mode Operation
LTE OTDOA	Long Term Evolution Observed Time Difference of Arrival
M-PACT	Michigan Platform for Activity Classification in Tensorflow
M2E	Mouth-to-Ear
M2M	Machine-to-Machine
MAC	Medium Access Control
MARIS	Mississippi Automated Resource Information System
MB	Megabytes
MBMS	Multimedia Broadcast Multicast Service
Mbps	Mobile Base Station
mBS	Megabytes Per Second
MCC	Mission Critical Communications
MCC	Mobile Country Code
MCOP	Mission Critical Open Platform
MCPTT	Mission Critical Push-To-Talk
MCS	Modulation and Coding Scheme
MCU	Mobile Compute Utilization
MCV	Mission Critical Voice
MCX	Multichannel
MDFS	Mobile Distributed File System
MEC	Mobile Edge Computing
MEMS	Microelectromechanical Systems
MFA	Multi-Factor Authentication

MIB	Master Information Block
MIMO	Multiple Input, Multiple Output
ML	Machine Learning
MME	Mobile Management Entity
MMR	Mobile Map Reduce
MMSE	Minimum Mean Squared Error
mmWave	Millimeter Wave
MNC	Mobile Network Code
MNO	Mobile Network Operator
MOT	Multiple Object Tracking
MPSoC	Multiprocessor System on a Chip
MQ	Message Queue
MQTT	Message Queuing Telemetry Transport
MRT	Modified Rhyme Test
MSISDN	Mobile Station International Subscriber Directory Number
Mturk	Amazon Mechanical Turk
NAPSG	National Alliance for Public Safety GIS
NAS	Non-Access Stratum
NAT	Network Address Translation
NB-IoT	Narrowband Internet of Things
NCCoE	National Cybersecurity Center of Excellence
NCTCOG	North Central Texas Council of Governments
NEMIS	National EMS Information System
NFC	Near Field Communication
NFHL	National Flood Hazard Layer
NFPA	National Fire Protection Association
NG	Next Generation
NGO	Non-Governmental Organizations
NHTSA	National Highway Traffic Safety Administration
NI	National Instruments
NIB	Network in a Box
NIBRS	National Incident-Based Reporting System
NIEF	The National Identity Exchange Federation

NIFS	National Infrared Operations
NIOSH	National Institute of Safety and Health
NIROPS	Naval Industrial Reserve Ordnance Plant
NIST	National Institute of Standards and Technology
NIST-IR	NIST Interagency Report
NLOS	Non-Line-of-Sight
NLP	Nonlinear Programming
NPSBN	Nationwide Public Safety Broadband Network
NR	New Radio
Ns3 / ns-3	Network Simulator 3
NSAIDS	Nonsteroidal Anti-inflammatory Drugs
NTIA	National Telecommunications and Information Administration
NTT	Nippon Telegraph and Telephone
NUC	Next Unit of Computing
OEM	Original Equipment Manufacturer
OFDM	Orthogonal Frequency-Division Multiplexing
OFDM NR	Orthogonal Frequency Division Multiple Axis
OFDMA	Orthogonal Frequency Division Multiplexing New Radio
OGC	Open Geospatial Consortium
OMB	Office of Management and Budget
OR	Operating Room
ORB	Officer Record Brief
OS	Operating System
OSVM	Outstanding Volunteer Service Medal
OTT	Over the Top content
P-GW	Packet Data Network Gateway
P25	Project 25
P2P	Peer-to-peer
PAN	Personal Area Networks
PBCH	Physical Broadcast Channel
PC	Point Cloud
PCFICH	Physical Control Format Indicator Channel
PCI	Peripheral Component Instrumentation

PCSC	Personal Computer / Smart Card
PDCCH	Physical Downlink Control Channel
PDCP	Packet Data Convergence Protocol
PDP	Power-Delay Profile
PDSCH	Physical Downlink Shared Channel
PESQ	Perceptual Evaluation of Speech Quality
PGW	Packet Data Network Gateway
PHICH	Physical HARQ Indicator Channel
PHR	Power Headroom
PHY	Physical Layer
PI	Principal Investigator
PII	Personally Identifiable Information
PIV	Personal Identity Verifications
PKI	Public Key Infrastructure
PLMN	Public Land Mobile Network
PLY	Polygon File Format
PMI	Performance Monitoring Infrastructure
POCS	Point of Care System
POLQA	Perceptual Objective Listening Quality Analysis
PoW	Proof-of-Witness
PPA	Personal Package Archive
PPDR	Public Protection & Disaster Relief
PPE	Personal Protective Equipment
PR	Predicted class
PRACH	Physical Resource Block
PRB	Physical Random-Access Channel
PRN	Pseudo-Random Noise
ProSe	Proximity Services
PS	Public Safety
PS-NFV	Public Safety Network Function Virtualization
PSAP	Public Safety Answering Point
PSC	Public Safety Communications
PSCCH	Physical Sidelink Control Channel

PSCR	Public Safety Communications Research
PSDCH	Physical Sidelink Discovery Channel
PSIAP	Public Safety Innovation Accelerator Program
PSMI	Physical Security, Info Management
PSN	Public Safety Network
PSNE	Public Safety Network Entity
PSNR	Peak Signal-to-Noise Ration
PSO	Public Safety Officers
PSOC	Programmable System on a Chip
PSS	Primary Synchronization Signals
PSSCH	Physical Sidelink Shared Channel
PSTA	Public Service Training Academy
PSUI	Public Safety User Interface
PTCRB	PCS Type Certification Review Board
PTT	Push-to-Talk
PTZ	Pan Tilt Zoom
PUCCH	Physical Uplink Control Channel
PUSCH	Physical Uplink Shared Channel
QCI	QoS Class Identifier
QoE	Quality of Experience
QoI	Quality of Information
QoS	Quality of Service
R-CNN	Regions with CNN Features
R&D	Research & Development
RA	Random Access
RAA	Resource Allocation Answer
RAN	Random Access Preamble Identifier
RAPID	Radio Access Network
RAR	Random Access Response
RB	Resource Block
RDRP	Registered DoD (Department of Defense) RMS (Risk Management Framework) Practitioner
REG	Resource Element Group

RF	Radio Frequency
RFC	Request for Comment
RGB	Red Green Blue color model
RH	Row Hit
RLC	Radio Link Control
RM	Reference Model
ROHC	Robust Header Compression
ROI	Return on Investment
ROIP	Radio over IP
RP	Relying Party
RP	Rendezvous Point
RRC	Radio Resource Control
RS	Resilient Systems
RSRP	Reference Signal Received Power
RSRQ	Reference Signal Received Quality
RSSI	Received Signal Strength Indicator
RTCP	Real-Time Transport Control Protocol
RTK	Real-Time Kinematic
RTMP	Real-Time Messaging Protocol
RTP	Real-Time Transport Protocol
RU	Radio Unit
RX	Receive
S-GW	Satellite Gateway
S&T	Science & Technology
S1AP	S1 Application Protocol
SA	Situational Awareness
SaaS	Software as a Service
SAGE	Space-Altering Generalized Expectation-Maximization
SAI	Security Awareness Index
SAT	Speech Analytic Technologies
SCBA	Self-Contained Breathing Apparatus
SCTP	Stream Control Transmission Protocol
SDK	Software Development Kit

SDR	Software Defined Radio
SE	Secure Element
SFN	Sampling Frequency Offset
SFO	System Frame Number
SGW	Satellite Gateway
SIB	System Information Blocks
SIM	Subscriber Identity Module
SINR	Signal-to-Interference-Plus-Noise-Ratio
SIP	Session Initiation Protocol
SISO	Single Input / Single Output
SL	Sidelink
SL-DCH	Sidelink Discovery Channel
SL-SCH	Sidlelink Shared Channel
SLAM	Simultaneous Localization and Mapping
SLSSs	Sidelink Synchronization Signals
SME	Subject Matter Expert
SNR	Signal-to-Noise Ratio
SoC	System-on-a-Chip
SOP	Standard Operating Procedure
SOTA	State of the Art
SPOC	Single Point of Contact
SQL	Standardized Query Language
SR	Scheduling Request
SSD	Solid State Drive
SSIM	Structural Similarity Index
SSO	Single Sign On
SSS	Secondary Synchronization Signals
STPE	Spatial-Texture-Preserved video Encoding
SUCI	Subscriber Concealed Identifier
SUCPA	Spherical Uniform Circular Patch Antenna Array
SURF	Summer Undergraduate Research Fellowship
SVM	Support Vector Machine
SW	Software

SWG	Software Working Group
T-RECS	Training for Rate Invariant Embeddings by Controlling Speed
TASED-Net	Temporally-Aggregating Spatial Encoder-Decoder Network
TC	Turbo Coder
TCCA	The Critical Communications Association
TCCE	TETRA and Critical Communications Evolution
TCP	Transport Control Protocol
TDD	Time Division Duplex
TEE	Trusted Execution Environment
TFRE	Temporal-Fluctuation-Reduced video Encoding
TIA	Telecommunication Industry Association
TLS	Transport Layer Security
TMSI	Temporary Mobile Subscriber Identity
TOA	Time of Arrival
TPV	Third Person View
TRX	Transmit and Receive
TSMC	Traffic Systems Management Center
TSN	Transitional Security Network
TTL	Time to Live
TUN	Tunnel
TX	Transmit
U2F	Universal Second Factor
UAF	Universal Authentication Framework
UAS	Unmanned Aerial System
UAV	Unmanned Aerial Vehicle
UCF	Unified Compliance Framework
UCI	Uplink Control Information
UDP	User Datagram Protocol
UE	User Experience
UE	User Equipment
UH	Utility Helicopter
UHD	Ultra-High Definition
UI	User Interface

UI/UX	User Interface/ User Experience
UICC	Universal Integrated Circuit Card
UL	Uplink
UMLS	Unified Medical Language System
URSA	Unmanned Robotics Systems Analysis
USAR	Urban Search and Rescue
USB	Universal Serial Bus
USIM	Universal Mobile Telecommunications Service (UMTS) Subscriber Identity Module
USRP	Universal Software Radio Peripheral
UWB	Ultra-Wideband
UX	User Experience
V2V	Vehicle-to-Vehicle
V2X	Vehicle-to-Everything
VA	Value Analysis
VAST	Video Ad Serving Template
VE	Virtual Enterprise
vEPC	Virtual Evolved Packet Core
VHF	Very High Frequency
VIO	Vehicles in Operation
VL	Variable Length
VMS	Video Management System
VNA	Vector Network Analyzers
VOIP	Voice Over IP
VoLTE	Voice Over LTE
VPN	Virtual Private Network
VQEQ	Video Quality Experts Group
VR	Virtual Reality
W3C	World Wide Web Consortium
WER	Word Error Rate
WG	Working Group
Wi-Fi	Wireless Fidelity
WMATA	Washington Metropolitan Area Transit Authority
WPS	Word Processing Software

WRS	Weighted Random Sampling
XML	Extensible Markup Language
XOR	Exclusive OR
ZF	Zero-Forcing
ZUPT	Zero Velocity Update
ZUPTing	Zero Velocity Updating