

Acronym	Definition	Acronym	Definition
3GPP	Third Generation Partnership Project	IRS	Intrusion Response System
4G	Fourth-generation mobile network	LTE	Long-Term Evolution
5G	Fifth-generation mobile network	LTE-A	Long-Term Evolution Advanced
AES	Advanced Encryption Standard	M2M	Machine-to-Machine
AIM	Advanced Identity Management	MAC	Message Authentication Code
AKA	Authentication and Key Agreement	MD5	Message Digest 5
AMAC	Aggregate Message Authentication Codes	MIMO	Multiple-Input Multiple-Output
AP	Access point	MITM	Man-in-the-middle
BRPCA	Bayesian Robust Principal Component Analysis	MME	Mobility Management Entity
BS	Base station	MSS	Managed security services
BTS	Base Transceiver Station	MTC	Machine Type Communication
CNN	Controller Area Network	NB	Narrowband
CRC	Cyclic Redundancy Check	NFV	Network Function Virtualization
CXTP	Context transfer protocol	P2P	Peer-to-Peer
D2D	Device-to-Device communication	PIN	Personal identification number
DNN	Deep Neural Network	PKI	Public key infrastructure
DoS	Denial of Service	PT	Pseudo Trust
DSS	Digital signature standard	RAN	Radio Access Network
EAP	Extensible Authentication Protocol	RF	Radio Frequency
ECC	Error Correction Codes	RFC	Requests For Comments
eNB	eNodeB	RFID	Radio frequency identification
FBS	False Base Station	RNN	Random Neural Network
FIFO	First In First Out	RNTI	Radio Network Temporary Identities
GBS-AKA	Group-Based Secure Authentication and Key Agreement	SDN	Software Defined Networking
HeNB	Home eNodeB	SHA	Secure Hash Algorithm
HMAC	Keyed-Hash Message Authentication Code	SIP	Session Initiation Protocol
HSS	Home Service Server	TLS	Transport Layer Security
HTTP	Hypertext Transfer Protocol	TPM	Trusted Platform Module
IDS	Intrusion Detection system	UAV	Unmanned aerial vehicle
IEEE	Institute of Electrical and Electronics Engineers	UE	User Equipment
IMSI	International Mobile Subscriber Identity	UHF	UltraHigh Frequency
IoT	Internet of Things	UMTS	Universal Mobile Telecommunications System